

CONTACT INFORMATION

HOLT OF CA
DANE JOHANSEN

PHONE:
FAX:
Email: DJOHANSEN@HOLTCA.COM

Interp By: Alan Johnson

EQUIPMENT

EQUIP NUM: WILDFLOWER
SERIAL NUMBER: WILDFLOWER
MODEL : FORD120HP_LEHMAN
MANUFACTURER : LEHMAN
COMPANY NAME : HOLT OF CALIFORNIA
JOB SITE :
AREA:
REGION:

SAMPLE INFORMATION

COMPARTMENT NAME : TRANSMISSION PORT
COMP SERIAL NUM:
COMPARTMENT MODEL :
LABEL#:
SHOP JOB NUM :
SAMPLE TYPE: OIL
SAMPLE SHIP TIME (days) : 3
SAMPLE LOCATION : AL TORRE

Action Required

FINE METALS ANALYSIS BY ICP OF PARTICLES LESS THAN 10 MICRONS APPEARS ACCEPTABLE. COPPER, LEAD AND TIN ARE ELEVATED AND MAY INDICATE THRUST WASHER OR BUSHING WEAR OR POSSIBLY SINTERED BRONZE CLUTCH WEAR. TOTAL FERROUS DEBRIS (PQI) IS ELEVATED INDICATING A HIGHER IRON CONTENT. OIL SAMPLE BOTTLE CAP INSPECTION INDICATES MODERATE AMOUNT OF FINE VISIBLE METALLIC DEBRIS IS IN THE SAMPLE. OIL IS TOO CONTAMINATED FOR PARTICLE COUNT ANALYSIS. MONITOR ITEM(S): INSPECT FILTER(S) FOR VISIBLE DEBRIS AS A PRECAUTION. FLUSH COMPARTMENT THOROUGHLY TO REMOVE CONTAMINATION THAT CAN CAUSE EXCESSIVE WEAR.

LAB #
H200-51314-1811
PROCESS 10-Nov-21
DATE

WEAR/CONTAMINATION - ADDITIVES/FORMULATION

SAMPLE DATE	SAMPLE ID	METER (HR)	METER ON FLUID	FLUID CHANGE	FILTER CHANGE	Cu	Fe	Cr	Al	Pb	Sn	Si	Na	K	Mo	Ni	Ag	Sb	Ti	V	Ca	P	Zn	Mg	Ba	B	Li	Cd
07-Nov-21	H200-51314-1811	1469	100	U	N	320	94	0	3	49	2	6	7	13	0	2	0	0	0	0	173	220	53	7	1	61	0	0

OIL FORMULATION - OIL CONDITION - OIL CONTAMINATION

SAMPLE DATE	SAMPLE ID	METER (HR)	METER ON FLUID	FLUID BRAND	FLUID TYPE	FLUID WEIGHT	FLUID CHANGE	FILTER CHANGE	V100	OXI	NIT
07-Nov-21	H200-51314-1811	1469	100	DEXTRON			U	N	5.4	15	3

OIL CLEANLINESS

SAMPLE DATE	SAMPLE ID	FLUID CHANGE	FILTER CHANGE	PQI	Debris
07-Nov-21	H200-51314-1811	U	N	112	Yes

Cu = Copper, Fe = Iron, Cr = Chromium, Al = Aluminum, Pb = Lead, Sn = Tin, Si = Silicon, Na = Sodium, K = Potassium, B = Boron, Mo = Molybdenum, Ni = Nickel, Ag = Silver, Ti = Titanium, Sb = Antimony, Ca = Calcium, Mg = Magnesium, Zn = Zinc, P = Phosphorus
A = Antifreeze, F = Fuel, W = Water, P = Positive, N = Negative, T = Trace, E = Excessive, NIT = Nitration, OXI = Oxidation, ST = Soot, SUL = Sulfation, ISO = ISO Rating, PFC = Percent Fuel Content NaW = Salt Water, FI Pt = Flash Point, TAN = Total Acid Number, TBN = Total Base Number, H2O = Karl Fisher Result, V100 = Viscosity at 100C

Notice: This analysis is intended as an aid in predicting mechanical wear. No guarantee, expressed or implied, is made against failure of this piece of equipment or a component thereof.

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EQUIPMENT

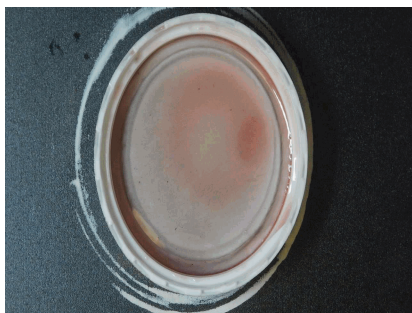
EQUIP NUM: WILDFLOWER
SERIAL NUMBER: WILDFLOWER
MODEL : FORD120HP_LEHMAN
MANUFACTURER : LEHMAN
COMPANY NAME : HOLT OF CALIFORNIA
JOB SITE :
AREA:
REGION:

SAMPLE INFORMATION

COMPARTMENT NAME : TRANSMISSION PORT
COMP SERIAL NUM:
COMPARTMENT MODEL :
LABEL#:
SHOP JOB NUM :
SAMPLE TYPE: OIL
SAMPLE SHIP TIME (days) : 3
SAMPLE LOCATION : AL TORRE

**Action
Required**

FINE METALS ANALYSIS BY ICP OF PARTICLES LESS THAN 10 MICRONS APPEARS ACCEPTABLE. COPPER, LEAD AND TIN ARE ELEVATED AND MAY INDICATE THRUST WASHER OR BUSHING WEAR OR POSSIBLY SINTERED BRONZE CLUTCH WEAR. TOTAL FERROUS DEBRIS (PQI) IS ELEVATED INDICATING A HIGHER IRON CONTENT. OIL SAMPLE BOTTLE CAP INSPECTION INDICATES MODERATE AMOUNT OF FINE VISIBLE METALLIC DEBRIS IS IN THE SAMPLE. OIL IS TOO CONTAMINATED FOR PARTICLE COUNT ANALYSIS. MONITOR ITEM(S): INSPECT FILTER(S) FOR VISIBLE DEBRIS AS A PRECAUTION. FLUSH COMPARTMENT THOROUGHLY TO REMOVE CONTAMINATION THAT CAN CAUSE EXCESSIVE WEAR.

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H200-51314-1811
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A = Antifreeze, F = Fuel, W = Water, P = Positive, N = Negative, T = Trace, E = Excessive, NIT = Nitration, OXI = Oxidation, ST = Soot, SUL = Sulfation, ISO = ISO Rating, PFC = Percent Fuel Content NaW = Salt Water, FI Pt = Flash Point, TAN = Total Acid Number,
TBN = Total Base Number, H2O = Karl Fisher Result, V100 = Viscosity at 100C

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Interp By: Alan Johnson

EQUIPMENT

EQUIP NUM: WILDFLOWER
SERIAL NUMBER: WILDFLOWER
MODEL : FORD120HP_LEHMAN
MANUFACTURER : LEHMAN
COMPANY NAME : HOLT OF CALIFORNIA
JOB SITE :
AREA:
REGION:

SAMPLE INFORMATION

COMPARTMENT NAME : TRANSMISSION STARBOARD
COMP SERIAL NUM:
COMPARTMENT MODEL :
LABEL#:
SHOP JOB NUM :
SAMPLE TYPE: OIL
SAMPLE SHIP TIME (days) : 3
SAMPLE LOCATION :

Monitor Compartment

IRON IS ELEVATED AND MAY INDICATE GEAR, SHAFT OR BEARING WEAR. COPPER MAY BE FROM CHEMICAL LEACHING AND NOT ABRASIVE WEAR WHICH IS NO CAUSE FOR CONCERN. NO OTHER ALLOYS SUCH AS LEAD AND/OR TIN ARE PRESENT. TOTAL FERROUS DEBRIS (PQI) IS ACCEPTABLE. PARTICLE COUNT INDICATES HIGH PARTICULATE CONTAMINATION IN THE 4 AND 6 MICRON SIZE CHANNEL . MONITOR ITEM: MORE DATA REQUIRED TO ESTABLISH TREND. CHANGE OIL AND FILTER(S) AND RESAMPLE IN 50 HOURS TO MONITOR.

LAB #

H200-51314-1817

PROCESS 10-Nov-21
DATE

WEAR/CONTAMINATION - ADDITIVES/FORMULATION

SAMPLE DATE	SAMPLE ID	METER (HR)	METER ON FLUID	FLUID CHANGE	FILTER CHANGE	Cu	Fe	Cr	Al	Pb	Sn	Si	Na	K	Mo	Ni	Ag	Sb	Ti	V	Ca	P	Zn	Mg	Ba	B	Li	Cd
07-Nov-21	H200-51314-1817	1560	100	N	N	320	400	0	2	4	1	15	42	6	0	3	0	0	0	0	113	168	51	23	1	22	0	0

OIL FORMULATION - OIL CONDITION - OIL CONTAMINATION

SAMPLE DATE	SAMPLE ID	METER (HR)	METER ON FLUID	FLUID BRAND	FLUID TYPE	FLUID WEIGHT	FLUID CHANGE	FILTER CHANGE	V100	OXI	NIT
07-Nov-21	H200-51314-1817	1560	100	DEXTRON			N	N	5.4	18	4

OIL CLEANLINESS

SAMPLE DATE	SAMPLE ID	FLUID CHANGE	FILTER CHANGE	ISO	PQI	Debris	4μ	6μ	14μ	21μ	38μ
07-Nov-21	H200-51314-1817	N	N	26/24/17	13	No	509129	92680	1174	150	4

Cu = Copper, Fe = Iron, Cr = Chromium, Al = Aluminum, Pb = Lead, Sn = Tin, Si = Silicon, Na = Sodium, K = Potassium, B = Boron, Mo = Molybdenum, Ni = Nickel, Ag = Silver, Ti = Titanium, Sb = Antimony, Ca = Calcium, Mg = Magnesium, Zn = Zinc, P = Phosphorus
A = Antifreeze, F = Fuel, W = Water, P = Positive, N = Negative, T = Trace, E = Excessive, NIT = Nitration, OXI = Oxidation, ST = Soot, SUL = Sulfation, ISO = ISO Rating, PFC = Percent Fuel Content NaW = Salt Water, FI Pt = Flash Point, TAN = Total Acid Number, TBN = Total Base Number, H2O = Karl Fisher Result, V100 = Viscosity at 100C

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