

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH30M 114790-1253 - Transmission (Manual)

Sample No: LH0288046

Oil Type: PETRO CANADA TRAXON 75W90 SYNTHETIC



DAVIS TRADING & SUPPLY LTD.
 110 GRANT STREET
 VANCOUVER, BC
 CA V6A 2J6
 Contact: Service Manager



Sample Information

Sample Number	LH0288046	LH0242114	LH0234130	LH0215036
Sample Date	12 Apr 2024	30 Sep 2023	28 Jun 2022	09 Dec 2021
Machine Hours	9051	7937	5138	3953
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL



Oil Condition

Visc @ 40°C	cSt	70.5	76.8	59.6	57.2
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T:
F:



Contamination

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	1	2	3	3
Sodium	ppm	4	5	8	12
Potassium	ppm	<1	<1	2	4

Diagnosis

Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the fluid. Viscosity of sample indicates oil is within SAE 30 range, advise investigate. This plus the additive levels indicates that this is not the same brand, or type of oil as reported. The condition of the fluid is acceptable for the time in service.



Wear Metals

Iron	ppm	11	12	13	16
Copper	ppm	11	14	17	25
Lead	ppm	0	<1	<1	<1
Tin	ppm	0	0	<1	<1
Aluminum	ppm	<1	<1	2	2
Chromium	ppm	0	0	0	<1
Molybdenum	ppm	42	28	47	35
Nickel	ppm	0	0	0	<1
Titanium	ppm	0	0	<1	0
Silver	ppm	0	<1	0	0
Manganese	ppm	3	3	5	6
Vanadium	ppm	0	0	0	0



Additives

Calcium	ppm	907	753	1593	1893
Magnesium	ppm	691	454	779	579
Zinc	ppm	884	639	1187	1123
Phosphorus	ppm	1120	1166	1066	1068
Barium	ppm	0	<1	0	<1
Boron	ppm	91	155	9	15

Depot: DAV110VAN
 Unique No: 5762818
 Signed: Kevin Marson
 Report Date: 18 Apr 2024



Graphs

