

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH30M 114790-1253 - Swing Drive

Sample No: LH0288038

Oil Type: PETRO CANADA TRAXON 75W90 SYNTHETIC



Sample Information

Sample Number	LH0288038	LH0250476	LH0234127	LH0149680
Sample Date	12 Apr 2024	24 Mar 2023	28 Jun 2022	30 Jun 2021
Machine Hours	9051	6744	5138	2996
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	ABNORMAL	NORMAL	ABNORMAL	NORMAL

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



Oil Condition

Visc @ 40°C	cSt	102	183	96.9	110
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T:
F:



Contamination

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	6	2	5	<1
Sodium	ppm	<1	2	<1	2
Potassium	ppm	<1	0	<1	<1

Diagnosis

We advise that you check for the source of water entry. The oil change at the time of sampling has been noted. Confirm the source of the lubricant being utilized for top-up/fill. We recommend an early resample to monitor this condition. All component wear rates are normal. Free water present. Additive levels indicate the addition of a different brand, or type of oil. The oil is no longer serviceable due to the presence of contaminants.



Wear Metals

PQ		---	---	0	---
Iron	ppm	882	746	1271	45
Copper	ppm	47	61	196	25
Lead	ppm	1	2	9	<1
Tin	ppm	<1	<1	<1	<1
Aluminum	ppm	<1	0	<1	<1
Chromium	ppm	10	7	7	<1
Molybdenum	ppm	0	<1	0	<1
Nickel	ppm	<1	<1	<1	<1
Titanium	ppm	<1	0	<1	0
Silver	ppm	0	0	<1	<1
Manganese	ppm	8	6	10	<1
Vanadium	ppm	0	0	0	0



Additives

Calcium	ppm	14	6	9	9
Magnesium	ppm	2	0	2	1
Zinc	ppm	26	66	27	11
Phosphorus	ppm	1299	2204	1213	1605
Barium	ppm	0	0	<1	<1
Boron	ppm	80	33	146	211

Depot: DAV110VAN
 Unique No: 5762838
 Signed: Kevin Marson
 Report Date: 17 Apr 2024



Graphs

