

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR R918LC 047212-1721- Swing Drive

Sample No: LH0284030

Oil Type: PETRO CANADA TRAXON 75W90 SYNTHETIC



SAMPLE INFORMATION

Sample Number	LH0284030	LH0192467	LH0185905	---
Sample Date	01 Mar 2024	10 Sep 2021	10 Feb 2021	---
Machine Hours	3066	1047	491	---
Oil Hours	0	0	0	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	NORMAL	NORMAL	MARGINAL	---

WESTERRA ENTERPRISES INC.
 33171 2ND AVENUE
 MISSION, BC
 CA V2V 6T8
 Contact: Service Manager



OIL CONDITION

Visc @ 40°C	cSt	77.7	202	206	---
Visc @ 100°C	cSt	12.7	---	---	---
Viscosity Index (VI)	Scale	163	---	---	---

T:
F:



CONTAMINATION

Water	%	NEG	NEG	0.173	---
Silicon	ppm	2	2	4	---
Sodium	ppm	2	4	8	---
Potassium	ppm	<1	1	1	---

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.



WEAR METALS

PQ		83	---	---	---
Iron	ppm	614	407	659	---
Copper	ppm	61	29	30	---
Lead	ppm	1	1	1	---
Tin	ppm	<1	<1	<1	---
Aluminum	ppm	<1	<1	<1	---
Chromium	ppm	6	4	5	---
Molybdenum	ppm	<1	<1	<1	---
Nickel	ppm	<1	<1	<1	---
Titanium	ppm	0	0	<1	---
Silver	ppm	0	<1	<1	---
Manganese	ppm	4	4	6	---
Vanadium	ppm	0	0	<1	---



ADDITIVES

Calcium	ppm	15	6	14	---
Magnesium	ppm	3	<1	1	---
Zinc	ppm	28	22	40	---
Phosphorus	ppm	1281	2310	2143	---
Barium	ppm	0	1	6	---
Boron	ppm	227	4	5	---

Depot: SUMMIS
 Unique No: 5746344
 Signed: Wes Davis
 Report Date: 12 Mar 2024



GRAPHS

