

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L550 040969-1287 - Splitter Box

Sample No: LH0247294

Oil Type: PETRO CANADA TRAXON 75W90 SYNTHETIC



SAMPLE INFORMATION

Sample Number	LH0247294	LH	LH0242665	LH0239647
Sample Date	27 Jun 2023	12 Jan 2023	19 Oct 2022	26 Jul 2022
Machine Hours	19847	18588	18027	17561
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

CMI - COMBINED METAL INDUSTRIES
 505 GARY RAY DRIVE
 NORTH YORK, ON
 CA M9L 1P9
 Contact: Greg Sacher
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 F:



OIL CONDITION

Visc @ 40°C	cSt	63.9	94.9	126	81.0
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CONTAMINATION

Water	%	---	---	0.025	---
Silicon	ppm	3	4	12	2
Sodium	ppm	1	1	2	<1
Potassium	ppm	<1	<1	<1	<1



WEAR METALS

Iron	ppm	8	8	16	4
Copper	ppm	2	1	1	<1
Lead	ppm	<1	<1	<1	<1
Tin	ppm	0	0	0	0
Aluminum	ppm	<1	<1	3	<1
Chromium	ppm	3	1	<1	<1
Molybdenum	ppm	2	0	0	0
Nickel	ppm	<1	<1	<1	0
Titanium	ppm	0	0	<1	0
Silver	ppm	0	0	0	0
Manganese	ppm	0	<1	<1	0
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	126	60	44	53
Magnesium	ppm	38	1	2	2
Zinc	ppm	542	302	160	205
Phosphorus	ppm	1166	1761	2105	1074
Barium	ppm	0	0	0	0
Boron	ppm	14	28	39	234

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 oil. 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 oil is acceptable for the time in service.

Depot: COMWES
 Unique No: 5604451
 Signed: Kevin Marson
 Report Date: 30 Jun 2023



GRAPHS

