

LIEBHERR

CONSTRUCTION EQUIPMENT



[(336342)] LIEBHERR A918 109052-1508 - Diesel Engine

Sample No: LH0296385

Oil Type: PETRO CANADA 10W30



THOMAS CAVANAGH CONSTRUCTION LTD
RR # 2, 9094 CAVANAGH ROAD
ASHTON, ON
CA K0A 1B0
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Diagnostic

No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. Fuel content negligible. There is no indication of any contamination in the oil. Viscosity of sample indicates oil is within SAE 20 range, advise investigate. The condition of the oil is acceptable for the time in service.



Information sur l'échantillon

Número d'échant.	LH0296385	LH0296386	LH0281471	LH0270249
Date d'échant.	10 Jul 2024	10 Jul 2024	09 Jan 2024	14 Sep 2023
Heures de la Machine	5488	5488	4997	4417
Heures de l'huile	0	0	0	0
Huile changée	Not Chngd	Changed	Changed	Changed
Statut de l'échant.	ABNORMAL	ABNORMAL	NORMAL	NORMAL



État d'huile

Visc 40°C	cSt	53.9	---	---	---
Visc 100°C	cSt	8.7	11.7	13.8	13.5
Indice de viscosité (VI)	Scale	138	---	---	---
Oxydation (PA)	%	74	74	61	65



Contamination

Eau	%	NEG	NEG	NEG	NEG
% de suie	%	0	0	0	0
Nitration (PA)	%	43	75	57	67
Sulfatation (PA)	%	65	56	53	55
Glycol	%	NEG	NEG	NEG	NEG
Essence	%	0.2	0.0	<1.0	<1.0
Silicium	ppm	4	24	5	6
Sodium	ppm	4	4	1	2
Potassium	ppm	2	<1	<1	0



Métaux d'usure

Fer	ppm	10	13	10	12
Cuivre	ppm	10	1	<1	1
Plomb	ppm	<1	0	<1	<1
Étain	ppm	0	0	0	0
Aluminium	ppm	2	1	1	1
Chrome	ppm	<1	<1	0	<1
Molybdène	ppm	19	59	54	56
Nickel	ppm	<1	0	0	0
Titane	ppm	27	<1	6	6
Argent	ppm	<1	0	0	<1
Manganèse	ppm	<1	<1	0	0
Vanadium	ppm	<1	0	0	0



Additifs

Calcium	ppm	1432	858	1135	1132
Magnésium	ppm	371	1105	927	934
Zinc	ppm	997	1237	1182	1189
Phosphore	ppm	818	1194	1017	1008
Baryum	ppm	<1	0	0	<1
Bore	ppm	59	39	10	11

Depot: CAVASH
Unique No: 5813715
Signed: Kevin Marson
Report Date: 18 Jul 2024



Graphs

