

LIEBHERR

CONSTRUCTION EQUIPMENT



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

Sample No: LH0296386

Oil Type: PETRO CANADA 10W40



THOMAS CAVANAGH CONSTRUCTION LTD
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Information sur l'échantillon

Numéro d'échant.	LH0296386	LH0281471	LH0270249	LH0237729
Date d'échant.	10 Jul 2024	09 Jan 2024	14 Sep 2023	15 Jun 2023
Heures de la Machine	5488	4997	4417	3985
Heures de l'huile	0	0	0	0
Huile changée	Changed	Changed	Changed	Changed
Statut de l'échant.	ABNORMAL	NORMAL	NORMAL	NORMAL



État d'huile

Visc 100°C	cSt	11.7	13.8	13.5	13.2
Oxydation (PA)	%	74	61	65	62



Contamination

Eau	%	NEG	NEG	NEG	NEG
% de suie	%	0	0	0	0
Nitration (PA)	%	75	57	67	60
Sulfatation (PA)	%	56	53	55	53
Glycol	%	NEG	NEG	NEG	NEG
Essence	%	0.0	<1.0	<1.0	<1.0
Silicium	ppm	24	5	6	10
Sodium	ppm	4	1	2	2
Potassium	ppm	<1	<1	0	<1



Métaux d'usure

Fer	ppm	13	10	12	11
Cuivre	ppm	1	<1	1	<1
Plomb	ppm	0	<1	<1	0
Étain	ppm	0	0	0	0
Aluminium	ppm	1	1	1	1
Chrome	ppm	<1	0	<1	<1
Molybdène	ppm	59	54	56	59
Nickel	ppm	0	0	0	<1
Titane	ppm	<1	6	6	5
Argent	ppm	0	0	<1	0
Manganèse	ppm	<1	0	0	<1
Vanadium	ppm	0	0	0	0



Additifs

Calcium	ppm	858	1135	1132	1042
Magnésium	ppm	1105	927	934	1012
Zinc	ppm	1237	1182	1189	1197
Phosphore	ppm	1194	1017	1008	1086
Baryum	ppm	0	0	<1	0
Bore	ppm	39	10	11	15

Diagnostic

Resample at the next service interval to monitor. All component wear rates are normal. Tests indicate that there is no fuel present in the oil. There is no indication of any contamination in the oil. Viscosity of sample indicates oil is within SAE 30 range, advise investigate. The condition of the oil is acceptable for the time in service.

Depot: CAVASH
Unique No: 5813610
Signed: Kevin Marson
Report Date: 17 Jul 2024



Graphs

