



CONSTRUCTION EQUIPMENT

GDS MATANE 393731 VOLVO L90H 627157 - DIESEL ENGINE



Sample No: VCP394544
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 393731



SAMPLE INFORMATION

Sample Number	VCP394544	VCP393852	VCP381770	---
Sample Date	09 Feb 2024	22 Dec 2023	15 Nov 2023	---
Machine Hours	1623	1056	545	---
Oil Hours	0	0	0	---
Oil Changed	Changed	Changed	N/A	---
Sample Status	NORMAL	NORMAL	ABNORMAL	---

STRONGCO EQUIPMENT INC (STE- FOY)

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OIL CONDITION

Visc @ 100°C	cSt	13.1	13.0	12.9	---
Oxidation (PA)	%	84	82	76	---



CONTAMINATION

Water	%	NEG	NEG	NEG	---
Soot %	%	0.1	0.1	0.1	---
Nitration (PA)	%	60	58	59	---
Sulfation (PA)	%	62	63	60	---
Glycol	%	NEG	NEG	NEG	---
Fuel	%	<1.0	<1.0	<1.0	---
Silicon	ppm	5	6	16	---
Sodium	ppm	2	2	4	---
Potassium	ppm	<1	<1	<1	---

Diagnosis

Échantillonner de nouveau l'équipement au prochain intervalle de vidange afin d'en surveiller la condition. Les taux d'usure de tous les composants sont normaux. Il n'y a aucun indice de contamination dans l'huile. L'état de l'huile est acceptable pour la durée de service.



WEAR METALS

Iron	ppm	15	20	42	---
Copper	ppm	<1	1	7	---
Lead	ppm	<1	<1	2	---
Tin	ppm	<1	<1	2	---
Aluminum	ppm	4	7	▲ 43	---
Chromium	ppm	1	2	5	---
Molybdenum	ppm	40	41	44	---
Nickel	ppm	<1	<1	<1	---
Titanium	ppm	0	0	0	---
Silver	ppm	0	0	<1	---
Manganese	ppm	0	<1	4	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	1739	1734	1607	---
Magnesium	ppm	511	510	566	---
Zinc	ppm	1077	1081	1117	---
Phosphorus	ppm	935	940	944	---
Barium	ppm	<1	<1	4	---
Boron	ppm	34	36	72	---

Depot: VOLVO0228
Unique No: 5735378
Signed: Wes Davis
Report Date: 27 Feb 2024



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GRAPHS

