



CONSTRUCTION EQUIPMENT

GDS MARSOUI VOLVOV 627037 - DIESEL ENGINE



Sample No: VCP393117
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No:



SAMPLE INFORMATION

Sample Number	VCP393117	VCP392137	VCP380377	---
Sample Date	11 Jan 2024	15 Nov 2023	13 Sep 2023	---
Machine Hours	1645	1030	316	---
Oil Hours	500	0	0	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	NORMAL	NORMAL	NORMAL	---

STRONGCO EQUIPMENT INC (STE- FOY)

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OIL CONDITION

Visc @ 100°C	cSt	13.4	13.4	12.8	---
Oxidation (PA)	%	84	82	71	---



CONTAMINATION

Water	%	NEG	NEG	NEG	---
Soot %	%	0.2	0.3	0.1	---
Nitration (PA)	%	66	68	52	---
Sulfation (PA)	%	63	62	59	---
Glycol	%	NEG	NEG	NEG	---
Fuel	%	<1.0	<1.0	<1.0	---
Silicon	ppm	6	9	17	---
Sodium	ppm	2	3	4	---
Potassium	ppm	2	<1	2	---

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	26	22	---
Copper	ppm	1	2	7	---
Lead	ppm	0	<1	1	---
Tin	ppm	<1	1	2	---
Aluminum	ppm	3	5	14	---
Chromium	ppm	1	2	2	---
Molybdenum	ppm	47	50	45	---
Nickel	ppm	<1	<1	0	---
Titanium	ppm	0	0	0	---
Silver	ppm	0	<1	<1	---
Manganese	ppm	0	<1	4	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	1764	1720	1560	---
Magnesium	ppm	518	520	558	---
Zinc	ppm	1129	1158	1102	---
Phosphorus	ppm	982	962	951	---
Barium	ppm	<1	2	4	---
Boron	ppm	55	75	81	---

Depot: VOLVO0228
Unique No: 5711536
Signed: Wes Davis
Report Date: 22 Jan 2024



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GRAPHS

