



CONSTRUCTION EQUIPMENT

GDS MARSOUI 399664 VOLVOV 627037 - DIESEL ENGINE



Sample No: VCP627037
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 399664



SAMPLE INFORMATION

Sample Number	VCP627037	VCP393117	VCP392137	VCP380377
Sample Date	19 Feb 2024	11 Jan 2024	15 Nov 2023	13 Sep 2023
Machine Hours	2164	1645	1030	316
Oil Hours	2000	500	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

STRONGCO EQUIPMENT INC (STE- FOY)

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OIL CONDITION

Visc @ 100°C	cSt	13.4	13.4	13.4	12.8
Oxidation (PA)	%	83	84	82	71

CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Soot %	%	0.2	0.2	0.3	0.1
Nitration (PA)	%	64	66	68	52
Sulfation (PA)	%	62	63	62	59
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	6	6	9	17
Sodium	ppm	2	2	3	4
Potassium	ppm	<1	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	11	15	26	22
Copper	ppm	<1	1	2	7
Lead	ppm	0	0	<1	1
Tin	ppm	0	<1	1	2
Aluminum	ppm	2	3	5	14
Chromium	ppm	<1	1	2	2
Molybdenum	ppm	44	47	50	45
Nickel	ppm	0	<1	<1	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	<1	<1
Manganese	ppm	0	0	<1	4
Vanadium	ppm	0	0	0	0

ADDITIVES

Calcium	ppm	1737	1764	1720	1560
Magnesium	ppm	520	518	520	558
Zinc	ppm	1135	1129	1158	1102
Phosphorus	ppm	936	982	962	951
Barium	ppm	<1	<1	2	4
Boron	ppm	55	55	75	81

Depot: VOLVO0228
Unique No: 5760412
Signed: Wes Davis
Report Date: 08 Apr 2024



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GRAPHS

