



CONSTRUCTION EQUIPMENT

348997 VOLVO EC480 3 10953 - DIESEL ENGINE



Sample No: VCP273989
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 348997



SAMPLE INFORMATION

Sample Number	VCP273989	VCP274373	VCP243241	---
Sample Date	13 Dec 2022	10 Sep 2020	09 May 2019	---
Machine Hours	8006	4109	1100	---
Oil Hours	0	500	527	---
Oil Changed	N/A	Changed	Changed	---
Sample Status	NORMAL	NORMAL	NORMAL	---



OIL CONDITION

Visc @ 100°C	cSt	12.4	12.6	12.6	---
Oxidation (PA)	%	61	63	86	---



CONTAMINATION

Soot %	%	0	0	0	---
Nitration (PA)	%	64	73	67	---
Sulfation (PA)	%	55	58	64	---
Glycol	%	NEG	0.0	NEG	---
Fuel	%	<1.0	0.7	<1.0	---
Silicon	ppm	9	8	11	---
Sodium	ppm	2	3	4	---
Potassium	ppm	0	2	<1	---



WEAR METALS

Iron	ppm	10	6	8	---
Copper	ppm	9	76	9	---
Lead	ppm	<1	3	<1	---
Tin	ppm	<1	<1	<1	---
Aluminum	ppm	2	1	2	---
Chromium	ppm	<1	<1	<1	---
Molybdenum	ppm	57	8	46	---
Nickel	ppm	<1	<1	<1	---
Titanium	ppm	<1	0	<1	---
Silver	ppm	0	0	0	---
Manganese	ppm	<1	<1	<1	---
Vanadium	ppm	0	<1	0	---



ADDITIVES

Calcium	ppm	1158	1358	1617	---
Magnesium	ppm	946	714	484	---
Zinc	ppm	1184	829	871	---
Phosphorus	ppm	1056	723	712	---
Barium	ppm	0	0	0	---
Boron	ppm	2	20	47	---



STRONGCO EQUIPMENT INC (STE- FOY)

175, rue de Rotterdam
 St-Augustin-de-Desmaures, QC
 CA G3A 2K2
 Contact: Michel Lepage
 mlepage@strongco.com
 T: (418)870-1700
 F: (418)870-1701

Diagnosis

Confirm the source of the lubricant being utilized for top-up/fill. 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. Les niveaux d'additifs indiquent l'ajout d'une autre marque ou d'un autre type d'huile. L'état de l'huile est acceptable pour la durée de service.

Depot: VOLVO0228
Unique No: 5503758
Signed: Wes Davis
Report Date: 29 Dec 2022



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GRAPHS

