



CONSTRUCTION EQUIPMENT

373399 VOLVO L90H 624981 - DIESEL ENGINE



Sample No: VCP381871
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 373399



SAMPLE INFORMATION

Sample Number	VCP381871	VCP297588	VCP281345	WC274477
Sample Date	27 Jul 2023	05 Aug 2021	30 Jun 2021	03 Jan 2021
Machine Hours	14143	7306	7063	6034
Oil Hours	500	500	500	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 100°C	cSt	14.2	13.9	14.0	14.5
Oxidation (PA)	%	57	55	56	53

CONTAMINATION

Soot %	%	0.2	0	0	0
Nitration (PA)	%	73	61	67	47
Sulfation (PA)	%	50	45	46	47
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	4	3	3	5
Sodium	ppm	2	2	2	2
Potassium	ppm	<1	<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	9	3	5	3
Copper	ppm	2	<1	<1	<1
Lead	ppm	0	0	0	<1
Tin	ppm	0	<1	<1	0
Aluminum	ppm	5	2	3	2
Chromium	ppm	<1	0	<1	0
Molybdenum	ppm	<1	<1	2	<1
Nickel	ppm	<1	<1	<1	<1
Titanium	ppm	<1	0	0	<1
Silver	ppm	0	<1	0	0
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	0	0

ADDITIVES

Calcium	ppm	2278	2223	2228	2056
Magnesium	ppm	17	13	37	10
Zinc	ppm	1160	1142	1172	1085
Phosphorus	ppm	1052	1000	1016	873
Barium	ppm	0	0	0	0
Boron	ppm	1	2	2	2

Depot: VOLVO0230
Unique No: 5618634
Signed: Wes Davis
Report Date: 02 Aug 2023



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GRAPHS

