



CONSTRUCTION EQUIPMENT

395310 VOLVO L60G 611279 - DIESEL ENGINE



Sample No: VCP394431
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 395310



SAMPLE INFORMATION

Sample Number	VCP394431	VCP394658	VCP353045	VCP332718
Sample Date	23 Feb 2024	12 Sep 2023	04 Oct 2022	15 Feb 2022
Machine Hours	7683	7335	6519	6167
Oil Hours	500	0	6519	500
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

STRONGCO EQUIP (AB)
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 RED DEER COUNTY, AB
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OIL CONDITION

Visc @ 100°C	cSt	12.9	13.3	12.8	12.9
Oxidation (PA)	%	85	82	84	86

CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Soot %	%	0	0	0	0
Nitration (PA)	%	62	68	58	62
Sulfation (PA)	%	61	60	63	65
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	4	7	6	6
Sodium	ppm	2	2	3	3
Potassium	ppm	<1	0	<1	<1

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

WEAR METALS

Iron	ppm	7	7	5	9
Copper	ppm	<1	<1	<1	1
Lead	ppm	<1	<1	0	0
Tin	ppm	0	<1	0	<1
Aluminum	ppm	4	4	3	5
Chromium	ppm	<1	0	0	<1
Molybdenum	ppm	41	43	39	40
Nickel	ppm	<1	0	0	<1
Titanium	ppm	0	0	<1	0
Silver	ppm	0	0	0	0
Manganese	ppm	0	0	<1	<1
Vanadium	ppm	0	0	0	0

ADDITIVES

Calcium	ppm	1697	1729	1726	1643
Magnesium	ppm	508	520	490	522
Zinc	ppm	1075	1118	1071	1066
Phosphorus	ppm	949	943	991	951
Barium	ppm	0	<1	0	0
Boron	ppm	46	44	53	51

Depot: VOLVO9652
Unique No: 5735369
Signed: Wes Davis
Report Date: 27 Feb 2024



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GRAPHS

