



CONSTRUCTION EQUIPMENT

VOLVO A30G 752 151 - DIESEL ENGINE



Sample No: VCP440492
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No:



SAMPLE INFORMATION

Sample Number	VCP440492	VCP430489	VCP428833	VCP425222
Sample Date	05 Jun 2024	15 Feb 2024	06 Dec 2023	14 Aug 2023
Machine Hours	6763	6122	5738	5197
Oil Hours	0	500	0	500
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

RIPA AND ASSOCIATES
 10149 FISHER AVENUE
 TAMPA, FL
 US 33619
 Contact: PM Services
 PMServices@ripaconstruction.com
 T:
 F:



OIL CONDITION

Visc @ 100°C	cSt	12.7	12.7	12.9	12.6
Base Number (BN)	mg KOH/g	9.1	9.2	9.4	9.8
Oxidation (PA)	%	76	78	79	77

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 BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Soot %	%	0.3	0.2	0.3	0.2
Nitration (PA)	%	69	68	73	58
Sulfation (PA)	%	59	58	59	58
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	5	3	4	4
Sodium	ppm	<1	<1	0	3
Potassium	ppm	1	0	2	0



WEAR METALS

Iron	ppm	9	4	8	6
Copper	ppm	1	0	<1	1
Lead	ppm	<1	0	<1	<1
Tin	ppm	<1	0	<1	<1
Aluminum	ppm	5	5	6	3
Chromium	ppm	<1	<1	<1	0
Molybdenum	ppm	44	45	44	46
Nickel	ppm	<1	0	1	0
Titanium	ppm	<1	0	<1	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	0	<1



ADDITIVES

Calcium	ppm	1590	1573	1583	1860
Magnesium	ppm	596	569	515	563
Zinc	ppm	1104	1111	1158	1224
Phosphorus	ppm	884	961	920	1009
Barium	ppm	0	0	<1	0
Boron	ppm	29	24	21	34

Depot: RIPTAM
Unique No: 11073544
Signed: Wes Davis
Report Date: 12 Jun 2024

VOLVO **GRAPHS**

