



CONSTRUCTION EQUIPMENT

SWO-071558 EPIROC TMG2 ISEDO165 - DIESEL ENGINE



Sample No: VCP452722
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: SWO-071558



SAMPLE INFORMATION

Sample Number	VCP452722	VCP438682	VCP444435	VCP441642
Sample Date	01 May 2024	28 Mar 2024	13 Feb 2024	04 Jan 2024
Machine Hours	5608	5235	4946	4682
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

SAIIA CONSTRUCTION LLC

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OIL CONDITION

Visc @ 100°C	cSt	13.3	13.5	13.0	13.2
Base Number (BN)	mg KOH/g	9.9	9.2	9.8	9.8
Oxidation (PA)	%	81	78	84	84

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 %	%	0.1	0.1	0.1	0.1
Nitration (PA)	%	58	63	55	56
Sulfation (PA)	%	61	59	61	61
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	4	4	5	3
Sodium	ppm	4	2	2	<1
Potassium	ppm	0	<1	0	<1



WEAR METALS

Iron	ppm	3	3	3	0
Copper	ppm	5	<1	<1	<1
Lead	ppm	0	0	0	<1
Tin	ppm	0	<1	<1	0
Aluminum	ppm	<1	2	1	2
Chromium	ppm	0	0	0	<1
Molybdenum	ppm	39	31	40	39
Nickel	ppm	0	0	0	1
Titanium	ppm	0	0	<1	0
Silver	ppm	0	0	0	<1
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	0	<1



ADDITIVES

Calcium	ppm	1759	1602	1543	1618
Magnesium	ppm	467	570	477	552
Zinc	ppm	984	1051	1066	1170
Phosphorus	ppm	883	888	880	909
Barium	ppm	<1	0	0	0
Boron	ppm	53	53	50	32

Depot: SAIBIR
Unique No: 11019685
Signed: Don Baldrige
Report Date: 11 May 2024



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VOLVO GRAPHS

