



CONSTRUCTION EQUIPMENT

SWO-071557 EPIROC TMG2 ISEDO346 - DIESEL ENGINE



Sample No: VCP454500
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: SWO-071557



SAMPLE INFORMATION

Sample Number	VCP454500	VCP452384	VCP446978	VCP435528
Sample Date	30 Apr 2024	11 Mar 2024	05 Feb 2024	20 Dec 2023
Machine Hours	5492	5253	5020	4779
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	13.2	13.2	13.2
Base Number (BN)	mg KOH/g	9.6	9.9	9.6	9.5
Oxidation (PA)	%	84	86	84	86

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	57	58	58
Sulfation (PA)	%	62	61	62	63
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	3	4	3	4
Sodium	ppm	3	<1	0	2
Potassium	ppm	0	0	2	<1



WEAR METALS

Iron	ppm	2	2	5	3
Copper	ppm	<1	0	<1	1
Lead	ppm	0	0	<1	<1
Tin	ppm	0	<1	0	<1
Aluminum	ppm	0	<1	2	1
Chromium	ppm	0	0	<1	<1
Molybdenum	ppm	42	42	46	40
Nickel	ppm	0	0	0	0
Titanium	ppm	0	0	<1	0
Silver	ppm	0	0	<1	0
Manganese	ppm	<1	<1	0	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	1836	1691	1613	1639
Magnesium	ppm	491	509	487	538
Zinc	ppm	1026	1091	1077	1146
Phosphorus	ppm	904	927	960	951
Barium	ppm	0	0	25	0
Boron	ppm	59	50	51	42

Depot: SAIBIR
Unique No: 11019686
Signed: Don Baldrige
Report Date: 11 May 2024



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VOLVO GRAPHS

