



CONSTRUCTION EQUIPMENT

SIERRA RB6000 0726017 - DIESEL ENGINE



Sample No: VCP417508
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No:



SAMPLE INFORMATION

Sample Number	VCP417508	VCP436010	VCP382954	VCP377280
Sample Date	23 Mar 2024	20 Nov 2023	11 Apr 2023	10 Jan 2023
Machine Hours	17073	15921	14220	13118
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 100°C	cSt	13.5	13.0	13.7	13.6
Base Number (BN)	mg KOH/g	9.9	9.9	10.4	9.9
Oxidation (PA)	%	95	87	93	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 %	%	0.7	0.5	0.6	0.5
Nitration (PA)	%	78	64	69	68
Sulfation (PA)	%	68	65	69	61
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	3	4	4	5
Sodium	ppm	4	<1	2	2
Potassium	ppm	0	0	0	1



WEAR METALS

Iron	ppm	14	8	13	11
Copper	ppm	<1	0	0	<1
Lead	ppm	0	0	0	0
Tin	ppm	0	0	0	0
Aluminum	ppm	1	1	2	0
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	46	43	46	55
Nickel	ppm	0	0	0	0
Titanium	ppm	<1	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	0	<1	<1
Vanadium	ppm	<1	0	0	0



ADDITIVES

Calcium	ppm	1924	1762	1854	1502
Magnesium	ppm	570	551	570	721
Zinc	ppm	1194	1171	1195	1210
Phosphorus	ppm	939	976	932	984
Barium	ppm	0	0	0	0
Boron	ppm	55	49	54	28

Depot: UNICICIL
Unique No: 10963161
Signed: Wes Davis
Report Date: 05 Apr 2024



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GRAPHS

