

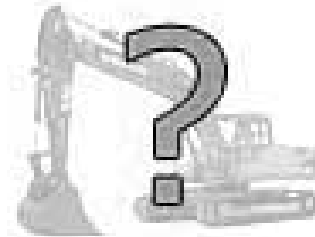


CONSTRUCTION EQUIPMENT

SIERRA RB6000 0726017 - DIESEL ENGINE



Sample No: VCP436010
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No:



SAMPLE INFORMATION

Sample Number	VCP436010	VCP382954	VCP377280	VCP367680
Sample Date	20 Nov 2023	11 Apr 2023	10 Jan 2023	22 Nov 2022
Machine Hours	15921	14220	13118	12868
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

UNITED SCRAP

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OIL CONDITION

Visc @ 100°C	cSt	13.0	13.7	13.6	13.6
Base Number (BN)	mg KOH/g	9.9	10.4	9.9	10.2
Oxidation (PA)	%	87	93	77	96

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 %	%	0.5	0.6	0.5	0.2
Nitration (PA)	%	64	69	68	63
Sulfation (PA)	%	65	69	61	70
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	4	4	5	4
Sodium	ppm	<1	2	2	0
Potassium	ppm	0	0	1	1



WEAR METALS

Iron	ppm	8	13	11	10
Copper	ppm	0	0	<1	<1
Lead	ppm	0	0	0	0
Tin	ppm	0	0	0	<1
Aluminum	ppm	1	2	0	2
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	43	46	55	46
Nickel	ppm	0	0	0	0
Titanium	ppm	0	0	0	<1
Silver	ppm	0	0	0	<1
Manganese	ppm	0	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	1762	1854	1502	2053
Magnesium	ppm	551	570	721	474
Zinc	ppm	1171	1195	1210	1207
Phosphorus	ppm	976	932	984	1001
Barium	ppm	0	0	0	0
Boron	ppm	49	54	28	54

Depot: UNICICIL
Unique No: 10802541
Signed: Wes Davis
Report Date: 22 Dec 2023



CONSTRUCTION EQUIPMENT



VOLVO GRAPHS

