

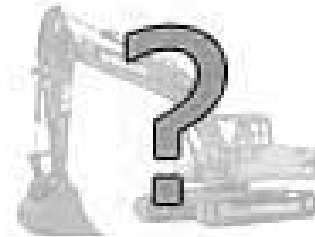


CONSTRUCTION EQUIPMENT

BALER RB6000 0424015 - DIESEL ENGINE



Sample No: VCP440544
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No:



SAMPLE INFORMATION

Sample Number	VCP440544	VCP381087	VCP354887	VCP355925
Sample Date	01 Apr 2024	08 Nov 2022	29 Aug 2022	06 Jun 2022
Machine Hours	28116	21969	22036	19890
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

UNITED SCRAP

1545 S CICERO AVE
 CICERO, IL
 US 60804
 Contact: RON LUCHTENBURG
 rluchten@unitedscrap.com
 T:
 F:



OIL CONDITION

Visc @ 100°C	cSt	13.3	13.2	13.8	13.3
Base Number (BN)	mg KOH/g	9.4	10.6	9.0	10.8
Oxidation (PA)	%	76	71	75	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 %	%	0.5	0.5	0.7	0.4
Nitration (PA)	%	69	66	95	72
Sulfation (PA)	%	67	61	63	65
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	6	4	7	17
Sodium	ppm	3	0	3	2
Potassium	ppm	1	1	1	0



WEAR METALS

Iron	ppm	27	9	9	10
Copper	ppm	6	<1	<1	<1
Lead	ppm	2	0	<1	0
Tin	ppm	<1	0	0	<1
Aluminum	ppm	3	1	3	1
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	131	57	88	50
Nickel	ppm	0	0	<1	<1
Titanium	ppm	<1	0	0	0
Silver	ppm	0	0	<1	<1
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	<1	0	<1	0



ADDITIVES

Calcium	ppm	1779	1536	2367	1815
Magnesium	ppm	740	773	179	491
Zinc	ppm	978	1269	1357	1203
Phosphorus	ppm	798	1078	1119	951
Barium	ppm	1	0	0	0
Boron	ppm	283	15	57	50

Depot: UNICICIL
Unique No: 10963159
Signed: Wes Davis
Report Date: 05 Apr 2024

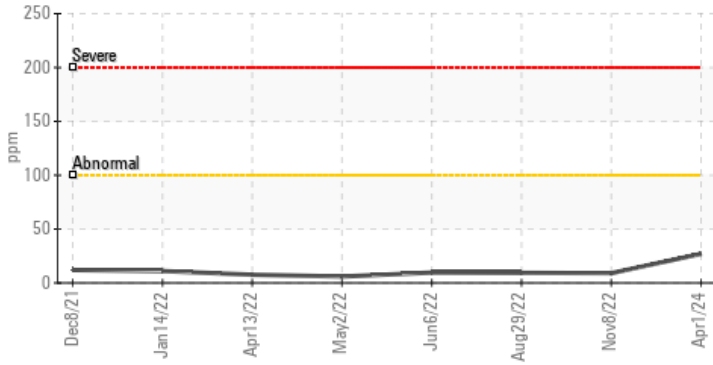


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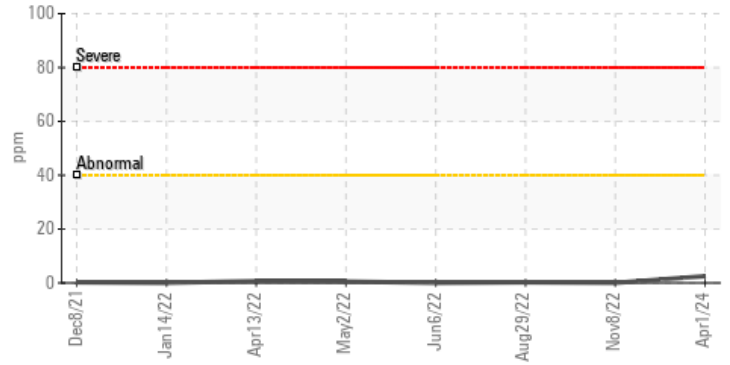


GRAPHS

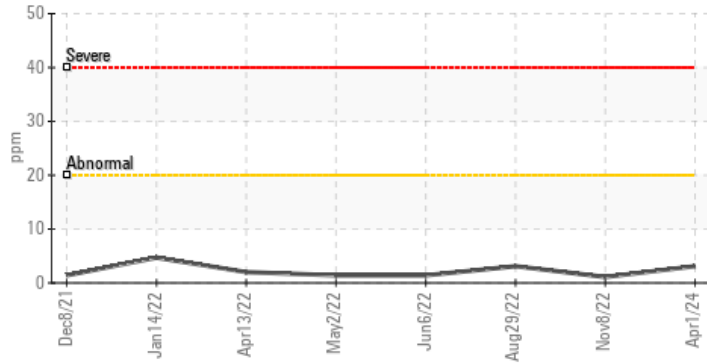
Iron (ppm)



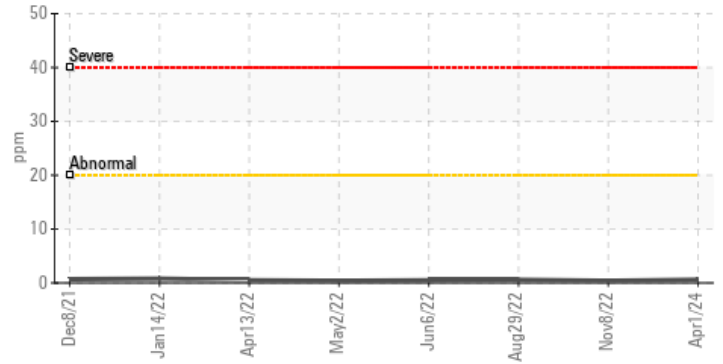
Lead (ppm)



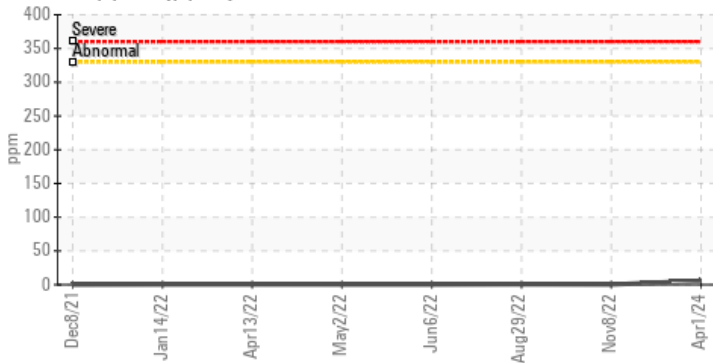
Aluminum (ppm)



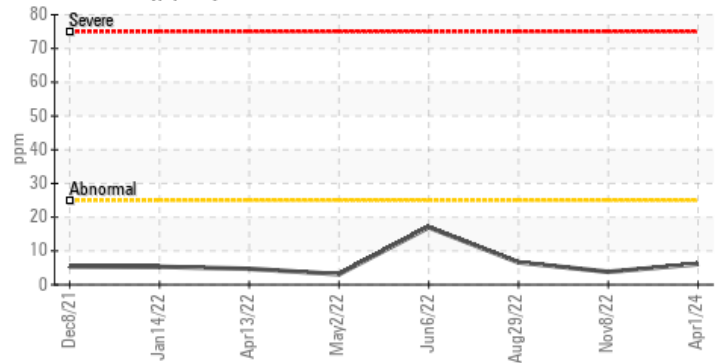
Chromium (ppm)



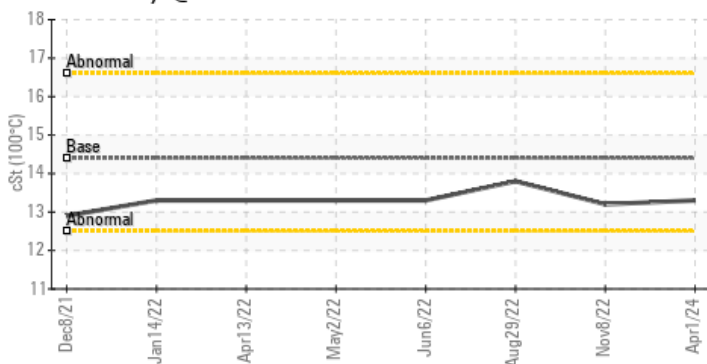
Copper (ppm)



Silicon (ppm)



Viscosity @ 100°C



Base Number

