

## **OIL ANALYSIS REPORT**

## NORMAL .............................

Sample Rating Trend



Area

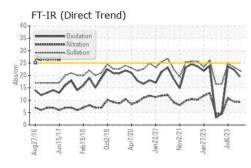
## OKLAHOMA/102/EG - EXCAVATOR 20.512L [OKLAHOMA^102^EG - EXCAVATOR] Diesel Engine

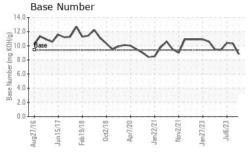
MOBIL DELVAC 1300 SUPER15W40 (--- GAL)

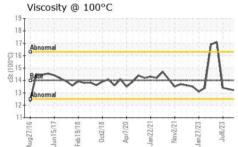
DIAGNOSIS	SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Recommendation	Sample Number		Client Info		WC0908884	WC0887025	WC0821806
Resample at the next service interval to monitor.	Sample Date		Client Info		31 May 2024	05 Mar 2024	06 Jul 2023
Wear	Machine Age	hrs	Client Info		9043	8740	8124
All component wear rates are normal.	Oil Age	hrs	Client Info		303	311	309
	Oil Changed		Client Info		Changed	Changed	Changed
Contamination There is no indication of any contamination in the	Sample Status				NORMAL	NORMAL	NORMAL
oil.							
Fluid Condition	CONTAMINATIO	N	method	limit/base	current	history1	history2
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the	Fuel		WC Method	>5	<1.0	<1.0	<1.0
	Water		WC Method	>0.2	NEG	NEG	NEG
oil is suitable for further service.	Glycol		WC Method		NEG	NEG	NEG
	WEAR METALS		method	limit/base	current	history1	history2
	Iron	ppm	ASTM D5185m	>100	12	18	35
	Chromium	ppm	ASTM D5185m		<1	<1	<1
	Nickel	ppm	ASTM D5185m		0	0	0
	Titanium	ppm	ASTM D5185m	>2	<1	0	0
	Silver	ppm	ASTM D5185m		0	0	0
	Aluminum	ppm	ASTM D5185m		4	8	12
	Lead	ppm	ASTM D5185m		3	2	2
	Copper	ppm	ASTM D5185m		1	- 1	2
	Tin	ppm	ASTM D5185m		<1	<1	<1
	Vanadium	ppm	ASTM D5185m		<1	0	0
	Cadmium	ppm	ASTM D5185m		0	0	0
	ADDITIVES		method	limit/base	current	history1	history2
	Boron	ppm	ASTM D5185m	0	32	37	28
	Barium	ppm	ASTM D5185m	0	0	0	0
	Molybdenum	ppm	ASTM D5185m	0	44	42	42
	Manganese	ppm	ASTM D5185m		0	0	<1
	Magnesium	ppm	ASTM D5185m	0	474	496	550
	Calcium	ppm	ASTM D5185m		1598	1683	1838
	Phosphorus	ppm	ASTM D5185m		783	751	818
	Zinc	ppm	ASTM D5185m		886	918	995
	Sulfur	ppm	ASTM D5185m		2612	2608	3383
	CONTAMINANTS	6	method	limit/base	current	history1	history2
	Silicon	ppm	ASTM D5185m	>25	5	6	7
	Sodium	ppm	ASTM D5185m		<1	<1	2
	Potassium	ppm	ASTM D5185m	>20	1	2	<1
	INFRA-RED		method	limit/base	current	history1	history2
	Soot %	%	*ASTM D7844	>3	0.8	0.8	1
	Nitration	Abs/cm	*ASTM D7624	>20	9.3	9.4	10.8
	Sulfation	Abs/.1mm	*ASTM D7415		21.9	23.4	24.8
	FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
	Oxidation	Abs/.1mm	*ASTM D7414	>25	19.5	22.3	23.7
	Base Number (BN)				8.8	10.3	10.4
				5			



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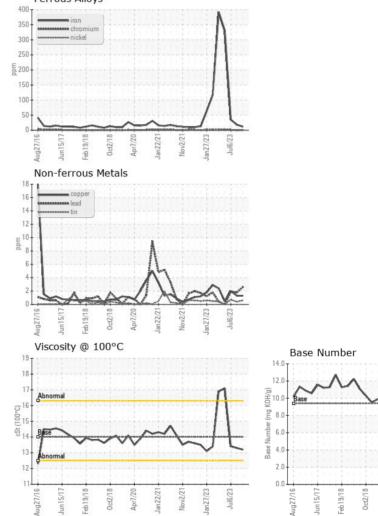


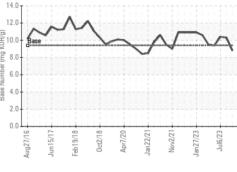




VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPERT	ΓIES	method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D445	14	13.2	13.3	13.4

Ferrous Alloys





Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513 SHERWOOD CONSTRUCTION CO INC Sample No. : WC0908884 Received : 12 Jun 2024 3219 WEST MAY ST Lab Number : 06207587 Tested : 13 Jun 2024 WICHITA, KS Unique Number : 11075048 Diagnosed : 13 Jun 2024 - Wes Davis US 67213 Test Package : CONST (Additional Tests: TBN) Contact: DOUG KING Certificate 12367 To discuss this sample report, contact Customer Service at 1-800-237-1369. doug.king@sherwood.net \* - Denotes test methods that are outside of the ISO 17025 scope of accreditation. T: (316)617-3161 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) F: x:

Report Id: SHEWIC [WUSCAR] 06207587 (Generated: 06/15/2024 06:56:44) Rev: 1

Submitted By: RUSTY RILEY

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