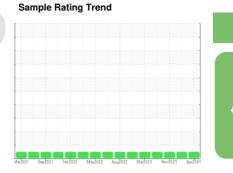


OIL ANALYSIS REPORT





NORMAL

47.14L [OKLAHOMA^102] Diesel Engine

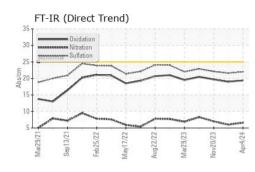
Area OKLAHOMA/102

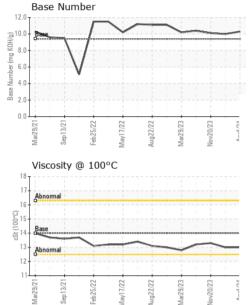
Fluid MOBIL DELVAC 1300 SUPER15W40 (7 GAL)

DIAGNOSIS	SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Recommendation	Sample Number		Client Info		WC0914433	WC0821735	WC0873889
Resample at the next service interval to monitor.	Sample Date		Client Info		04 Apr 2024	16 Feb 2024	20 Nov 2023
Wear	Machine Age	hrs	Client Info		8450	5547	5347
All component wear rates are normal.	Oil Age	hrs	Client Info		0	210	440
Contamination	Oil Changed		Client Info		N/A	Changed	Changed
There is no indication of any contamination in the	Sample Status				NORMAL	NORMAL	NORMAL
oil.	CONTAMINATIO	N	method	limit/base	current	history1	history2
Fluid Condition	Fuel		WC Method		<1.0	<1.0	<1.0
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the	Water		WC Method		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		8	7	6
	Chromium	ppm	ASTM D5185m		<1	<1	0
	Nickel	ppm	ASTM D5185m		<1	<1	0
	Titanium	ppm	ASTM D5185m		<1	<1	0
	Silver	ppm	ASTM D5185m		0	<1	0
	Aluminum	ppm	ASTM D5185m		3	3	2
	Lead	ppm	ASTM D5185m		<1	<1	0
	Copper	ppm	ASTM D5185m		1	1	0
	Tin	ppm	ASTM D5185m	>15	1	1	0
	Vanadium	ppm	ASTM D5185m		<1	<1	0
	Cadmium	ppm	ASTM D5185m		<1	<1	0
	ADDITIVES		method	limit/base	current	history1	history2
	Boron	ppm	ASTM D5185m	0	45	54	37
	Barium	ppm	ASTM D5185m	0	0	1	0
	Molybdenum	ppm	ASTM D5185m	0	38	41	38
	Manganese	ppm	ASTM D5185m		<1	1	0
	Magnesium	ppm	ASTM D5185m	0	463	463	484
	Calcium	ppm	ASTM D5185m		1763	1631	1805
	Phosphorus	ppm	ASTM D5185m		780	693	819
	Zinc	ppm	ASTM D5185m		945	882	1007
	Sulfur	ppm	ASTM D5185m		2773	2733	2689
	CONTAMINANTS	\$	method	limit/base	current	history1	history2
	Silicon	ppm	ASTM D5185m	>25	5	5	3
	Sodium	ppm	ASTM D5185m		1	2	1
	Potassium	ppm	ASTM D5185m	>20	2	2	0
	INFRA-RED		method	limit/base	current	history1	history2
	Soot %	%	*ASTM D7844	>3	0.4	0.3	0.5
	Nitration	Abs/cm	*ASTM D7624		6.6	6.0	7.0
	Sulfation	Abs/.1mm	*ASTM D7415		22.0	21.6	22.1
	FLUID DEGRADA		method	limit/base	current	history1	history2
	Oxidation	Abs/.1mm	*ASTM D7414	>25	19.4	19.0	19.7
	Base Number (BN)	mg KOH/g	ASTM D7414 ASTM D2896		10.3	10.0	10.1
	Dase Number (DN)	ing iton/g	101W D2030	0.4	10.5	10.0	10.1



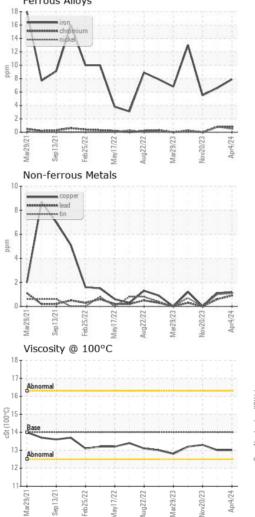
OIL ANALYSIS REPORT

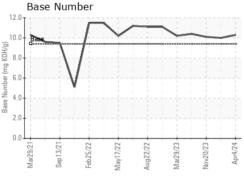




VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	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	IES	method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D445	14	13.0	13.0	13.3
GRAPHS						

Ferrous Alloys





Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513 SHERWOOD CONSTRUCTION CO INC Sample No. : WC0914433 Received : 05 Apr 2024 3219 WEST MAY ST Lab Number : 06139485 Tested : 05 Apr 2024 WICHITA, KS Unique Number : 10964293 Diagnosed : 05 Apr 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] 06139485 (Generated: 04/06/2024 01:24:56) Rev: 1

Submitted By: BOBBY JONES

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