

OKLAHOMA/3 39.63 [OKLAHOMA^3]

Diesel Engine

MOBIL DELVAC 1300 SUPER15W40 (--- GAL)

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RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
	Sample Number		Client Info		WC0908793	WC0935187	WC0874007
Resample at the next service interval to monitor.	Sample Date		Client Info		10 Jun 2024	12 May 2024	18 Mar 2024
	Machine Age	hrs	Client Info		6052	5706	5377
	Oil Age	hrs	Client Info		675	5377	558
	Filter Age	hrs	Client Info		675	5377	0
	Oil Changed		Client Info		Not Changd	N/A	Changed
	Filter Changed		Client Info		N/A	N/A	Changed
	Sample Status				NORMAL	NORMAL	NORMAL
WEAR All component wear rates are normal.	Iron	ppm	ASTM D5185m	>100	25	12	22
	Chromium	ppm	ASTM D5185m	>20	<1	<1	1
	Nickel	ppm	ASTM D5185m	>2	0	0	<1
	Titanium	ppm	ASTM D5185m	>2	<1	<1	<1
	Silver	ppm	ASTM D5185m		0	<1	0
	Aluminum	ppm	ASTM D5185m	>25	1	2	2
	Lead	ppm	ASTM D5185m		2	<1	2
	Copper	ppm	ASTM D5185m	>330	2	2	4
	Tin	ppm	ASTM D5185m		0	<1	1
	Vanadium	ppm	ASTM D5185m		<1	<1	<1
	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTAMINATION	Silicon	ppm	ASTM D5185m	>25	5	5	6
	Potassium	ppm	ASTM D5185m	>20	2	2	2
There is no indication of any contamination in the oil.	Fuel		WC Method	>5	<1.0	<1.0	<1.0
	Water		WC Method	>0.2	NEG	NEG	NEG
	Glycol		WC Method		NEG	NEG	NEG
	Soot %	%	*ASTM D7844	>3	0.4	0.1	0.3
	Nitration	Abs/cm	*ASTM D7624	>20	10.6	4.9	9.4
	Sulfation	Abs/.1mm	*ASTM D7415	>30	22.4	17.3	22.5
	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
					•	~	4.0
FLUID CONDITION The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.	Sodium	ppm	ASTM D5185m	0	8	6	10
	Boron	ppm	ASTM D5185m		19	33	32
	Barium	ppm	ASTM D5185m		0	0	0
	Molybdenum	ppm	ASTM D5185m	0	41	41	41
	Manganese	ppm	ASTM D5185m	0	<1	0	<1
	Magnesium	ppm	ASTM D5185m	0	540	499	507
	Calcium	ppm	ASTM D5185m		2051	1755	1734
	Phosphorus	ppm	ASTM D5185m		888	872	786
	Zinc	ppm	ASTM D5185m		1061	965	965
	Sulfur	ppm	ASTM D5185m		3246	2945	2661
	Oxidation	Abs/.1mm	*ASTM D7414		22.6	12.2	22.4
	Base Number (BN)	mg KOH/g	ASTM D2896	9.4	8.6	9.2	9.3

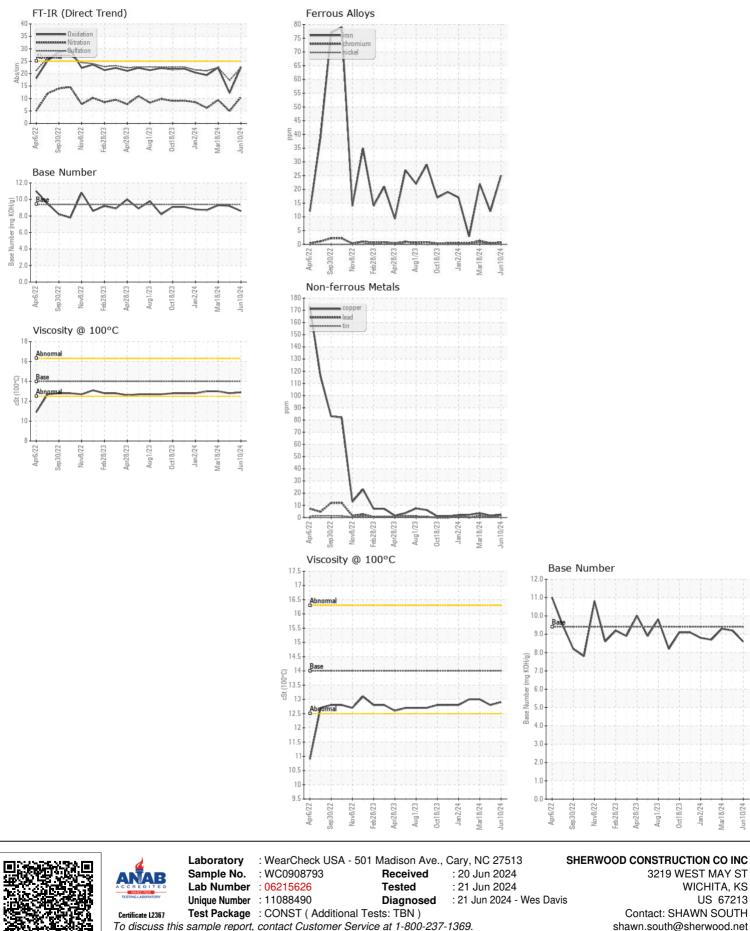
Visc @ 100°C cSt

ASTM D445 14

12.8

13.0

12.9



To discuss this sample report, contact Customer Service at 1-800-237-1369. * - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

Submitted By: AARON NELSON Page 2 of 2

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