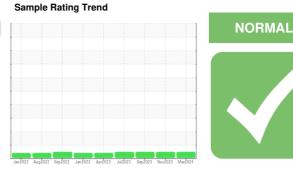


## **OIL ANALYSIS REPORT**





Area

45.62L [OKLAHOMA^102] Diesel Engine

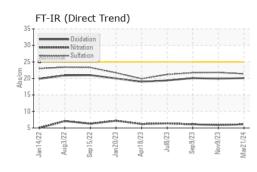
OKLAHOMA/102

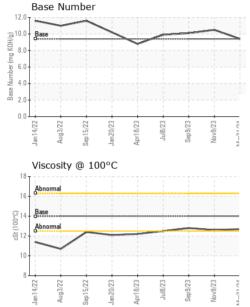
MOBIL DELVAC 1300 SUPER15W40 (5 GAL)

DIAGNOSIS	SAMPLE INFOR	MAT <u>ION</u>	method				history2
commendation	Sample Number		Client Info		WC0914509	WC0873940	WC0848888
sample at the next service interval to monitor.	Sample Date		Client Info		21 Mar 2024	09 Nov 2023	09 Sep 2023
·	Machine Age	hrs	Client Info		2305	2028	1841
ear component wear rates are normal.	Oil Age	hrs	Client Info		308	2020	250
•	Oil Changed	111.5	Client Info		Changed	Changed	Changed
Intamination	Sample Status				NORMAL	NORMAL	NORMAL
ere is no indication of any contamination in the	CONTAMINATIO	N	method	limit/base		history1	history2
uid Condition	Fuel		WC Method	>5	<1.0	<1.0	<1.0
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the bil is suitable for further service.	Water		WC Method		NEG	NEG	NEG
	Glycol		WC Method	20.L	NEG	NEG	NEG
	-						
	WEAR METALS		method	limit/base	current	history1	history2
	Iron	ppm	ASTM D5185m	>100	8	6	5
	Chromium	ppm	ASTM D5185m	>20	<1	<1	<1
	Nickel	ppm	ASTM D5185m	>2	<1	0	0
	Titanium	ppm	ASTM D5185m	>2	<1	<1	0
	Silver	ppm	ASTM D5185m	>2	<1	0	0
	Aluminum	ppm	ASTM D5185m	>25	5	4	0
	Lead	ppm	ASTM D5185m	>40	<1	<1	0
	Copper	ppm	ASTM D5185m	>330	1	<1	<1
	Tin	ppm	ASTM D5185m	>15	<1	0	0
	Vanadium	ppm	ASTM D5185m		<1	<1	0
	Cadmium	ppm	ASTM D5185m		<1	0	0
	ADDITIVES		method	limit/base	current	history1	history2
	Boron	ppm	ASTM D5185m	0	62	63	58
	Barium	ppm	ASTM D5185m	0	0	0	0
	Molybdenum	ppm	ASTM D5185m	0	41	39	41
	Manganese	ppm	ASTM D5185m		<1	<1	<1
	Magnesium	ppm	ASTM D5185m	0	485	510	561
	Calcium	ppm	ASTM D5185m		1670	1745	1786
	Phosphorus	ppm	ASTM D5185m		753	804	794
	Zinc	ppm	ASTM D5185m		907	958	973
	Sulfur	ppm	ASTM D5185m		2631	2738	3213
	CONTAMINANTS	3	method	limit/base	current	history1	history2
	Silicon	ppm	ASTM D5185m	>25	4	4	3
	Sodium	ppm	ASTM D5185m		2	2	2
	Potassium	ppm	ASTM D5185m	>20	2	1	<1
	INFRA-RED		method	limit/base	current	history1	history2
	Soot %	%	*ASTM D7844	>3	0.1	0.1	0.1
	Nitration	Abs/cm	*ASTM D7624	>20	6.1	5.9	6.1
	Sulfation	Abs/.1mm	*ASTM D7415	>30	21.4	21.8	21.7
	FLUID DEGRAD	ATION	method	limit/base	current	history1	history2
	Oxidation	Abs/.1mm	*ASTM D7414	>25	20.1	19.9	20.1

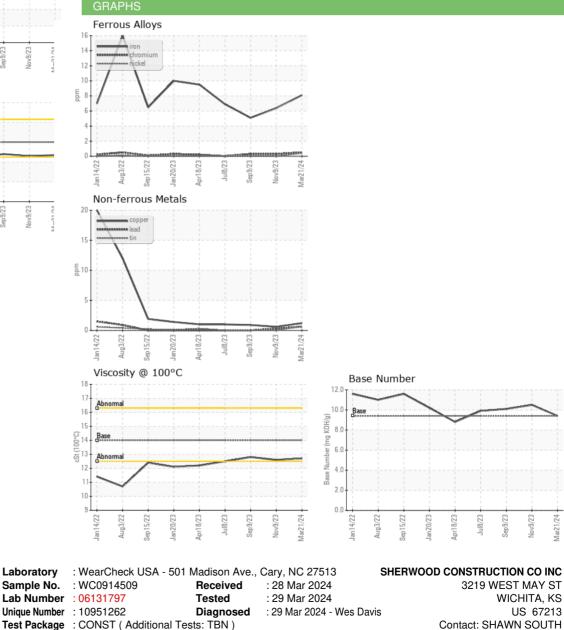


## **OIL ANALYSIS REPORT**





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	12.7	12.6	12.8



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)

Certificate 12367

shawn.south@sherwood.net

T: x:

F: x: