

## OKLAHOMA/102/SKIDSTEER Machine Id 53.147L [OKLAHOMA^102^SKIDSTEER]

## Component Diesel Engine

## MOBIL DELVAC 1300 SUPER15W40 (--- GAL)

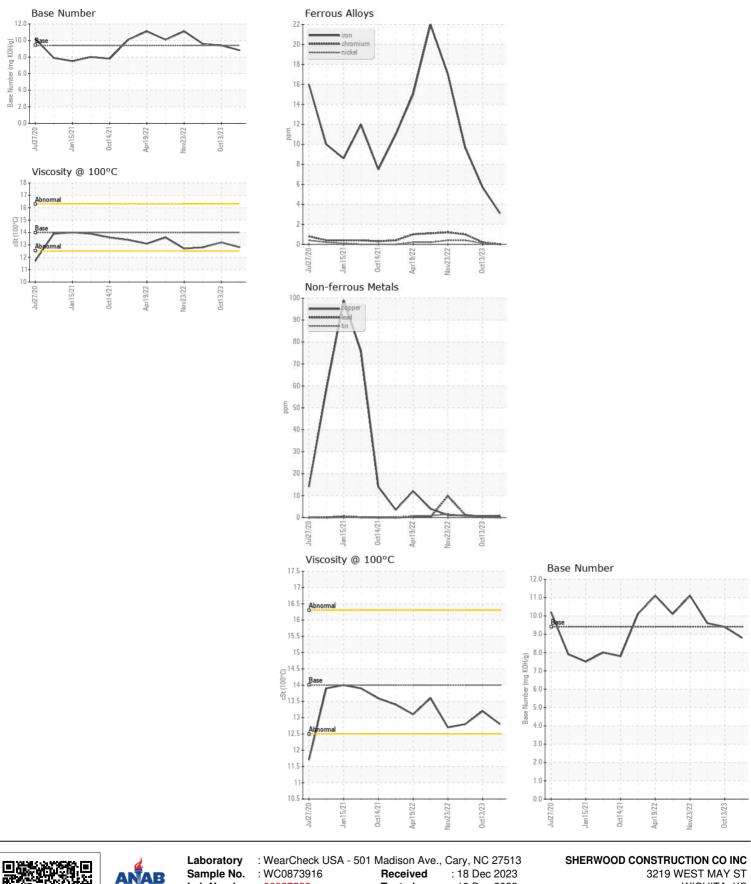
WODIL DELVAC 1300 SUPERISW40 ( GAL)							
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Resample at the next service interval to monitor.	Sample Number		Client Info		WC0873916	WC0834015	WC0800780
	Sample Date		Client Info		11 Dec 2023	13 Oct 2023	16 May 2023
	Machine Age	hrs	Client Info		4570	2755	2672
	Oil Age	hrs	Client Info		210	100	2125
	Filter Age	hrs	Client Info		210	100	0
	Oil Changed		Client Info		Changed	Changed	Changed
	Filter Changed		Client Info		Changed	Changed	Changed
	Sample Status				NORMAL	NORMAL	NORMAL
WEAR	Iron	ppm	ASTM D5185m	>100	3	6	10
	Chromium	ppm	ASTM D5185m		0	<1	1
All component wear rates are normal.	Nickel	ppm	ASTM D5185m		0	<1	<1
	Titanium	ppm	ASTM D5185m		0	0	<1
	Silver	ppm	ASTM D5185m	>3	0	0	0
	Aluminum	ppm	ASTM D5185m	>20	<1	2	3
	Lead	ppm	ASTM D5185m		0	<1	1
	Copper	ppm	ASTM D5185m		<1	<1	<1
	Tin	ppm	ASTM D5185m		0	<1	<1
	Vanadium	ppm	ASTM D5185m		0	0	<1
	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTAMINATION	Silicon	ppm	ASTM D5185m	<b>\</b> 25	4	5	5
CONTRIMINATION	Potassium	ppm	ASTM D5185m		0	1	3
There is no indication of any contamination in the oil.	Fuel	ppm	WC Method		<1.0	<1.0	<1.0
	Water		WC Method		NEG	NEG	NEG
	Glycol		WC Method	20.2	NEG	NEG	NEG
	Soot %	%	*ASTM D7844	>3	0.1	0.1	0.2
	Nitration	Abs/cm	*ASTM D7624		7.0	6.3	8.2
	Sulfation	Abs/.1mm	*ASTM D7415		21.9	21.4	23.1
	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	NORMI
	Odor	scalar	*Visual	NORML	NORML	NORML	NORMI
	Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	NEG
FLUID CONDITION	Sodium	ppm	ASTM D5185m		1	0	2
	Boron	ppm	ASTM D5185m	0	56	65	54
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.	Barium	ppm	ASTM D5185m		0	0	0
	Molybdenum	ppm	ASTM D5185m		38	45	39
	Manganese	ppm	ASTM D5185m	J	<1	0	<1
	Magnesium	ppm	ASTM D5185m	0	522	511	539
	Calcium	ppm	ASTM D5185m	J	1640	1742	1780
	Phosphorus	ppm	ASTM D5185m		716	816	726
	Zinc	ppm	ASTM D5185m		914	953	961
	Sulfur	ppm	ASTM D5185m		2355	3240	2723
	Oxidation	Abs/.1mm	*ASTM D7414	>25	20.8	20.0	22.1
	Base Number (BN)	mg KOH/g	ASTM D2896		8.8	9.4	9.6
		- Ot		4.4	0.0	10.0	10.0

Visc @ 100°C cSt ASTM D445 14

13.2

12.8

12.8



Lab Number : 06037538 Tested : 19 Dec 2023 WICHITA, KS Unique Number : 10792767 Diagnosed : 19 Dec 2023 - Wes Davis US 67213 Test Package : CONST (Additional Tests: TBN) Contact: DOUG KING Certificate L2367 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 F: x: Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)