

WEAR
CONTAMINATION
FLUID CONDITION

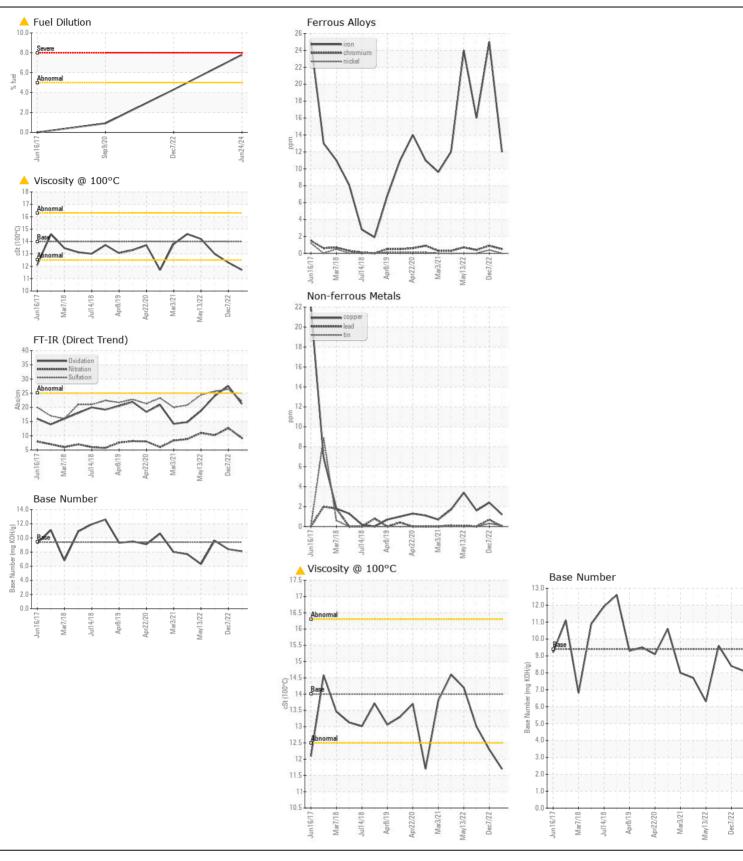
NORMAL ABNORMAL ABNORMAL



KANSAS/44/EG - OTHER SERVICE 53.131L [KANSAS^44^EG - OTHER SERVICE]

Diesel Engine

MOBIL DELVAC 1300 SUPER 1	5W40 (G	AL)					
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition.	Sample Number		Client Info		WC0918262	WC0741767	WC0697766
	Sample Date		Client Info		24 Jun 2024	07 Dec 2022	08 Sep 2022
	Machine Age	hrs	Client Info		4736	3655	3371
	Oil Age	hrs	Client Info		1	284	354
	Filter Age	hrs	Client Info		0	0	0
	Oil Changed		Client Info		Changed	Changed	Changed
	Filter Changed		Client Info		Changed	Changed	Changed
	Sample Status				ABNORMAL	ABNORMAL	NORMAL
WEAR	Iron	ppm	ASTM D5185m	>100	12	25	16
All component wear rates are normal.	Chromium	ppm	ASTM D5185m	>20	<1	<1	<1
	Nickel	ppm	ASTM D5185m	>2	0	<1	0
	Titanium	ppm	ASTM D5185m	>2	<1	<1	0
	Silver	ppm	ASTM D5185m	>2	0	0	0
	Aluminum	ppm	ASTM D5185m	>25	2	2	3
	Lead	ppm	ASTM D5185m	>40	0	<1	0
	Copper	ppm	ASTM D5185m	>330	1	2	2
	Tin	ppm	ASTM D5185m	>15	<1	<1	0
	Vanadium	ppm	ASTM D5185m		0	0	0
	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTAMINATION	Silicon	ppm	ASTM D5185m	>25	6	6	6
There is a mandard and a second of facilities and in the city. The terror form the	Potassium	ppm	ASTM D5185m	>20	0	<1	0
There is a moderate amount of fuel present in the oil. Tests confirm the presence of fuel in the oil.	Fuel	%	ASTM D3524	>5	7.8	4.3	<1.0
	Water		WC Method	>0.2	NEG	NEG	NEG
	Glycol		WC Method		NEG	NEG	NEG
	Soot %	%	*ASTM D7844	>3	0.3	0.6	0.4
	Nitration	Abs/cm	*ASTM D7624	>20	9.2	12.7	10.2
	Sulfation	Abs/.1mm	*ASTM D7415	>30	22.2	26.4	25.6
	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
<u></u>	Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	NEG
FLUID CONDITION	Sodium	ppm	ASTM D5185m		2	3	2
The BN result indicates that there is suitable alkalinity remaining in the oil. Fuel is present in the oil and is lowering the viscosity. The oil is no longer serviceable due to the presence of contaminants.	Boron	ppm	ASTM D5185m		33	30	6
	Barium	ppm	ASTM D5185m	0	0	0	0
	Molybdenum	ppm	ASTM D5185m	0	37	40	36
	Manganese	ppm	ASTM D5185m		<1	<1	<1
	Magnesium	ppm	ASTM D5185m	0	516	569	555
	Calcium	ppm	ASTM D5185m		1851	1679	1594
	Phosphorus	ppm	ASTM D5185m		801	743	738
	Zinc	ppm	ASTM D5185m		970	1018	888
	Sulfur	ppm	ASTM D5185m		3036	2627	2389
	Oxidation	Abs/.1mm	*ASTM D7414		21.2	27.5	24.0
	Base Number (BN)				8.1	8.4	9.6
	Visc @ 100°C	cSt	ASTM D445	14	<u> </u>	<u> </u>	13.0







Certificate L2367

Laboratory Sample No.

: WC0918262 Lab Number : 06224320 Unique Number : 11102517

: WearCheck USA - 501 Madison Ave., Cary, NC 27513

To discuss this sample report, contact Customer Service at 1-800-237-1369.

Received **Tested** Diagnosed

Test Package: CONST (Additional Tests: FuelDilution, PercentFuel, TBN)

: 01 Jul 2024 : 03 Jul 2024

: 03 Jul 2024 - Wes Davis

SHERWOOD CONSTRUCTION CO INC 3219 WEST MAY ST WICHITA, KS

US 67213 Contact: DOUG KING doug.king@sherwood.net

T: (316)617-3161

* - 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: JAMES MOORE

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