

## **OIL ANALYSIS REPORT**

## GLYCOL

Sample Rating Trend



OKLAHOMA/102/EG - DOZER 35.102L [OKLAHOMA^102^EG - DOZER] Diesel Engine

MOBIL DELVAC 1300 SUPER15W40 (--- GAL)

	MOBIL DELVAC 130
DIAGNOSIS	
• Recommendation Oil and filter change at the been noted. Resample at to monitor.	1 0
Wear All component wear rates	are normal.
Contamination Sodium and/or potassium Test for glycol is negative	
Fluid Condition The BN result indicates th	nat there is suitable

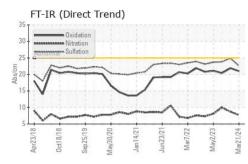
Area

The alkalinity remaining in the oil. The condition of the oil is acceptable for the time in service.

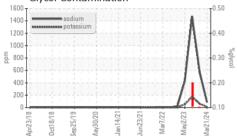
SAMPLE INFORM	<b>IATION</b>	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0873906	WC0873938	WC0821838
Sample Date		Client Info		21 Mar 2024	07 Nov 2023	05 Jul 2023
Machine Age	hrs	Client Info		8261	7971	7590
Oil Age	hrs	Client Info		290	263	130
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				ATTENTION	SEVERE	SEVERE
CONTAMINATION	M	method	limit/base	current	history1	history2
	N	WC Method			<1.0	
Fuel				<1.0		<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	26	75	12
Chromium	ppm	ASTM D5185m	>20	3	10	<1
Nickel	ppm	ASTM D5185m	>2	1	2	0
Titanium	ppm	ASTM D5185m	>2	<1	<1	<1
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>25	6	6 16	4
Lead	ppm	ASTM D5185m	>40	<1	1	<1
Copper	ppm	ASTM D5185m	>330	8	38	15
Tin	ppm	ASTM D5185m	>15	1	<1	<1
Vanadium	ppm	ASTM D5185m		<1	<1	<1
Cadmium	ppm	ASTM D5185m		<1	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	42	33	41
Barium	ppm	ASTM D5185m	0	0	<1	0
Molybdenum	ppm	ASTM D5185m	0	53	151	277
Manganese	ppm	ASTM D5185m		1	2	<1
Magnesium	ppm	ASTM D5185m	0	502	538	459
Calcium	ppm	ASTM D5185m		1661	1798	1575
Phosphorus	ppm	ASTM D5185m		770	800	723
Zinc	ppm	ASTM D5185m		939	1002	844
Sulfur	ppm	ASTM D5185m		2634	2706	2981
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	11	<b>4</b> 9	10
Sodium	ppm	ASTM D5185m		<mark> </mark> 85	▲ 585	<b>1</b> 476
Potassium	ppm	ASTM D5185m	>20	9	<b>6</b> 2	🔺 175
Glycol	%	*ASTM D2982		NEG	▲ 0.10	▲ 0.20
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.3	0.5	0.5
Nitration	Abs/cm	*ASTM D7624		7.7	8.7	10.0
Sulfation	Abs/.1mm	*ASTM D7415	>30	22.6	24.9	23.8
FLUID DEGRADA	TION_	method	limit/base	current	history1	history2
Ovidation	Abc/1mm	*ASTM D7/1/	>25	21.0	21.0	20 /
Oxidation Base Number (BN)	Abs/.1mm mg KOH/g	*ASTM D7414 ASTM D2896	>25 9.4	21.0 9.8	21.9 10.7	20.4 18.0

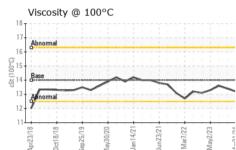


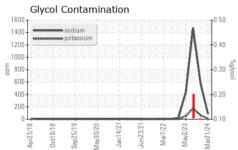
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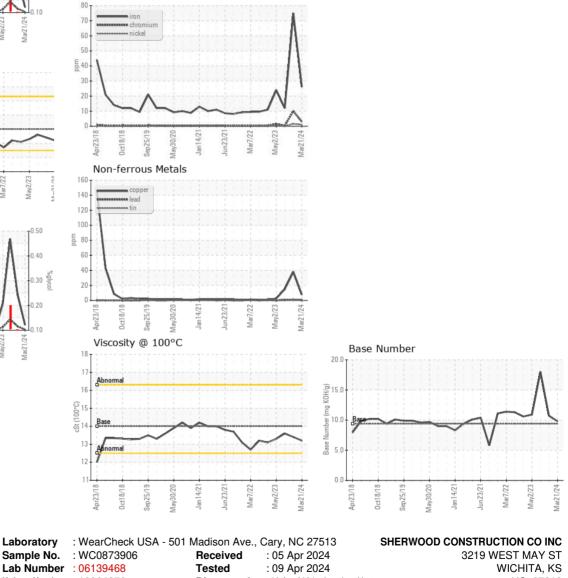






VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	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	13.2	13.4	13.6

GRAPHS Ferrous Alloys





 Unique Number
 : 10964276
 Diagnosed
 : 09 Apr 2024 - Jonathan Hester

 Certificate 12367
 Test Package
 : CONST (Additional Tests: TBN )

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

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Submitted By: RUSTY RILEY

Page 2 of 2