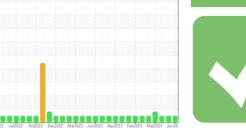


OKLAHOMA

# **OIL ANALYSIS REPORT**

### Sample Rating Trend

NORMAL





	SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
	Sample Number		Client Info		WC0929927	WC0929922	WC0929932
ə.	Sample Date		Client Info		08 Jun 2024	06 May 2024	09 Apr 2024
	Machine Age	hrs	Client Info		4711	4594	4511
	Oil Age	hrs	Client Info		3204	3087	3004
	Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
	Sample Status				NORMAL	NORMAL	NORMAL
	CONTAMINATION	۷	method	limit/base	current	history1	history2
cant	Fuel		WC Method	>5	<1.0	<1.0	<1.0
No	Water		WC Method	>0.2	NEG	NEG	NEG
	WEAR METALS		method	limit/base	current	history1	history2
	Iron	ppm	ASTM D5185m	>100	74	74	62
е	Chromium	ppm	ASTM D5185m	>20	4	4	3
	Nickel	ppm	ASTM D5185m	>4	0	<1	0
	Titanium	ppm	ASTM D5185m		<1	<1	0
	Silver	ppm	ASTM D5185m	>3	0	0	0
	Aluminum	ppm	ASTM D5185m	>20	31	33	29
	Lead	ppm	ASTM D5185m	>40	1	<1	0
	Copper	ppm	ASTM D5185m	>330	4	3	2
	Tin	ppm	ASTM D5185m	>15	0	1	<1
	Vanadium	ppm	ASTM D5185m		<1	<1	0
	Cadmium	ppm	ASTM D5185m		0	<1	0
	ADDITIVES		method	limit/base	current	history1	history2
	Boron	ppm	ASTM D5185m		0	0	<1
	Barium	ppm	ASTM D5185m		0	0	<1
	Molybdenum	ppm	ASTM D5185m		58	58	52
	Manganese	ppm	ASTM D5185m		1	1	1
	Magnesium	ppm	ASTM D5185m		1026	925	951
	Calcium	ppm	ASTM D5185m		1200	1095	1086
	Phosphorus	ppm	ASTM D5185m		1082	1007	1045
	Zinc	ppm	ASTM D5185m		1338	1248	1295
	Sulfur	ppm	ASTM D5185m		3355	3121	3180
	CONTAMINANTS		method	limit/base	current	history1	history2
	Silicon	ppm	ASTM D5185m	>25	6	6	5
	Sodium	ppm	ASTM D5185m		20	18	16
	Potassium	ppm	ASTM D5185m	>20	81	93	79
	Glycol	%	*ASTM D2982		NEG	NEG	0.0
	INFRA-RED		method	limit/base	current	history1	history2
	Soot %	%	*ASTM D7844	>3	1.2	1.2	1.2
	Nitration	Abs/cm	*ASTM D7624	>20	12.6	12.5	12.2
	Sulfation	Abs/.1mm	*ASTM D7415	>30	26.5	26.9	26.5
	FLUID DEGRADA	TION	method	limit/base	current	history1	history2
	Oxidation	Abs/.1mm	*ASTM D7414	>25	23.0	23.1	23.1
	Base Number (BN)	mg KOH/g	ASTM D2896		6.0	6.0	6.3

**Diesel Engine** 

# Recommendation

No corrective action is recommended at this time Resample at the next service interval to monitor.

MYSTIK JT-8 SYN SUPER HD 15W40 (--- GAL)

# Wear

Area

Fluic

5568

All component wear rates are normal.

## Contamination

Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubric and is common on new equipment/components. other contaminants were detected in the oil.

## Fluid Condition

The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is acceptable for the time in service.



# **OIL ANALYSIS REPORT**

\*Visual

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ASTM D445

scalar \*Visual

scalar \*Visual

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NONE

NONE

NONE

NONE

NONE

NONE

NORML

NORML

>0.2

15.6

White Metal

Yellow Metal

Precipitate

Silt

Debris

Odor

Sand/Dirt

Appearance

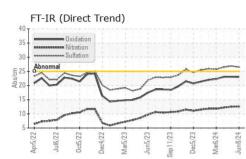
Free Water

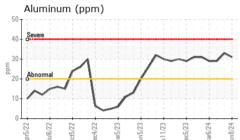
Visc @ 100°C

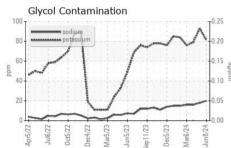
GRAPHS

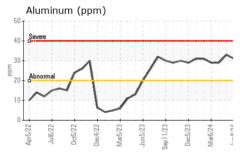
**Emulsified Water** 

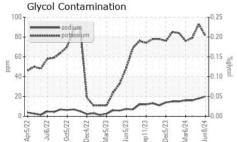
**FLUID PROPERTIES** 

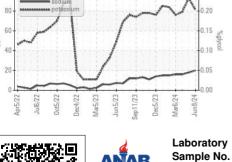








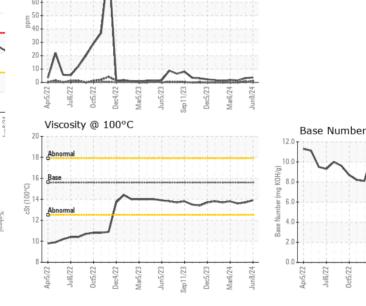




Certificate 12367



	Fe	rrous	Allo	ys										
	160 T		iron											
Jun8/24	100000000000000000000000000000000000000		chromiu	m										
- T	120			T										
	E 80		1											
0.25	60-/	~	1							-				
0.20	40					1		-						
15	20-			1	1	/								
1.15 %glycc	20-			and a shared	/	and the second second					_			
1.15 %glycol	0		and set of the local diversion of the local d	and a shared		and the second second			r6/24	18/24	_			
glycol	Apr5/22	Jul6/22	0ct5/22	Dec4/22	Mar5/23	Jun5/23	Sep11/23	Dec5/23	Mar6/24	Jun8/24				
glycol 1.10	Apr5/22		0ct5/22 -	Dec4/22 -		and the second second			Mar6/24	Jun8/24				
glycol 1.10	Apr5/22 0 No	n-fer	Oct5/22	Dec4/22 -		and the second second			Mar6/24	Jun8/24	-			
gilycol ).10	0 90 90 90 90 90 90 90 90 90 90 90 90 90	n-fer	copper	Dec4/22 -		and the second second			Mar6/24	Jun8/24	-			
0.15 0.10 0.05 0.00	Apr5/22	on-fer	Oct2/522 copper lead	Dec4/22 -		and the second second			Mar6/24	Jun8/24				



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

Received

Diagnosed

Tested

: 14 Jun 2024

: 19 Jun 2024

: 19 Jun 2024 - Sean Felton

: WC0929927

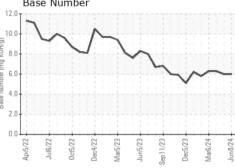
To discuss this sample report, contact Customer Service at 1-800-237-1369.

Test Package : FLEET ( Additional Tests: Glycol )

\* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Lab Number : 06211126

Unique Number : 11083990



NONE

NONE

NONE

NONE

NONE

NONE

NORML

NORML

NEG

NEG

13.7

NONE

NONE

NONE

NONE

NONE

NONE

NORML

NORML

NEG

NEG

13.6

NONE

NONE

NONE

NONE

NONE

NONE

NORML

NORML

NEG

NEG

13.9

LIBERTY DISPOSAL

6401 S EASTERN AVE OKLAHOMA CITY, OK US 73149 Contact: M Rutherford M.Rutherford@ldi89.com Т: Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) F:

Report Id: SEAOKL [WUSCAR] 06211126 (Generated: 06/22/2024 21:35:36) Rev: 1

Contact/Location: M Rutherford - SEAOKL

Page 2 of 2