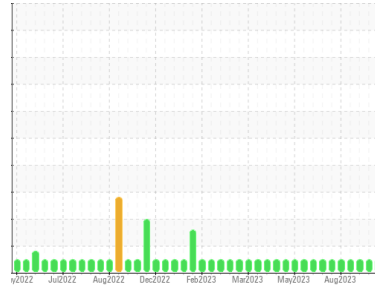




OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Area
WP 09
Machine Id
WP09TF01 3EFF MVR
Component
Reservoir Circulating System
Fluid
MOBIL DTE 25 (93 GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

The amount and size of particulates present in the system are acceptable. There is no indication of any contamination in the oil.

Fluid Condition

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	WC0843035	WC0843047	WC0843032
Sample Date	Client Info	18 Sep 2023	29 Aug 2023	22 Aug 2023
Machine Age	days	Client Info	0	0
Oil Age	days	Client Info	0	0
Oil Changed	Client Info	N/A	N/A	N/A
Sample Status		NORMAL	NORMAL	NORMAL

WEAR METALS

method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185m	1	0	0
Chromium	ppm	ASTM D5185m	0	0	0
Nickel	ppm	ASTM D5185m	<1	0	<1
Titanium	ppm	ASTM D5185m	0	0	0
Silver	ppm	ASTM D5185m	0	0	<1
Aluminum	ppm	ASTM D5185m	0	<1	0
Lead	ppm	ASTM D5185m	<1	0	0
Copper	ppm	ASTM D5185m	1	0	<1
Tin	ppm	ASTM D5185m	<1	0	0
Vanadium	ppm	ASTM D5185m	0	0	0
Cadmium	ppm	ASTM D5185m	0	0	0

ADDITIVES

method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185m	0	0	0
Barium	ppm	ASTM D5185m	0	0	1
Molybdenum	ppm	ASTM D5185m	0	0	0
Manganese	ppm	ASTM D5185m	0	0	0
Magnesium	ppm	ASTM D5185m	2	0	2
Calcium	ppm	ASTM D5185m	127	118	121
Phosphorus	ppm	ASTM D5185m	623	484	448
Zinc	ppm	ASTM D5185m	909	679	677
Sulfur	ppm	ASTM D5185m	3485	3118	2859

CONTAMINANTS

method	limit/base	current	history1	history2		
Silicon	ppm	ASTM D5185m	2	2	1	
Sodium	ppm	ASTM D5185m	0	4	0	
Potassium	ppm	ASTM D5185m	>20	1	0	2

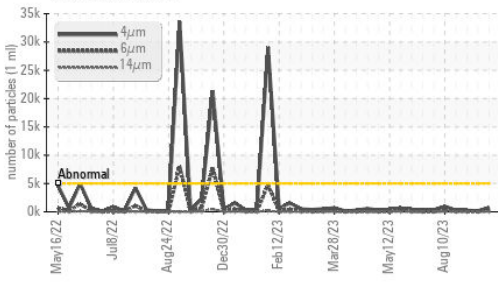
FLUID CLEANLINESS

method	limit/base	current	history1	history2	
Particles >4µm	ASTM D7647	>5000	742	185	242
Particles >6µm	ASTM D7647	>1300	224	61	88
Particles >14µm	ASTM D7647	>160	12	8	16
Particles >21µm	ASTM D7647	>40	4	2	5
Particles >38µm	ASTM D7647	>10	0	0	1
Particles >71µm	ASTM D7647	>3	0	0	0
Oil Cleanliness	ISO 4406 (c)	>19/17/14	17/15/11	15/13/10	15/14/11

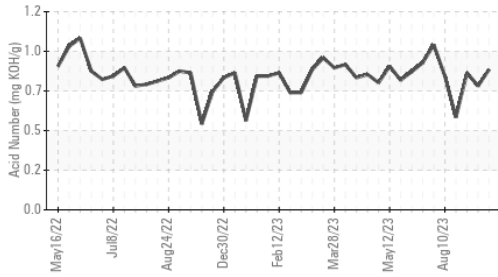
FLUID DEGRADATION

method	limit/base	current	history1	history2	
Acid Number (AN)	mg KOH/g	ASTM D8045	0.85	0.75	0.83

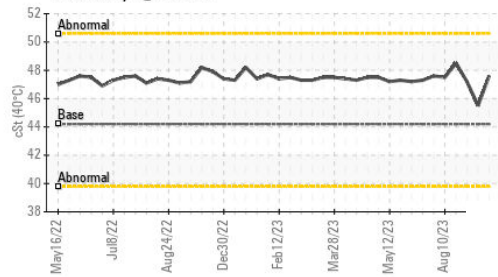
Particle Trend



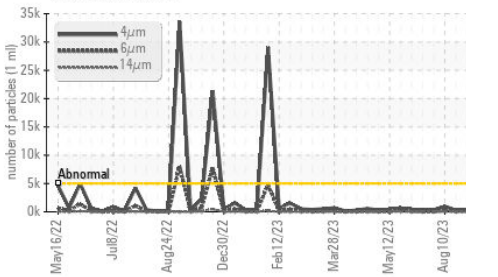
Acid Number



Viscosity @ 40°C



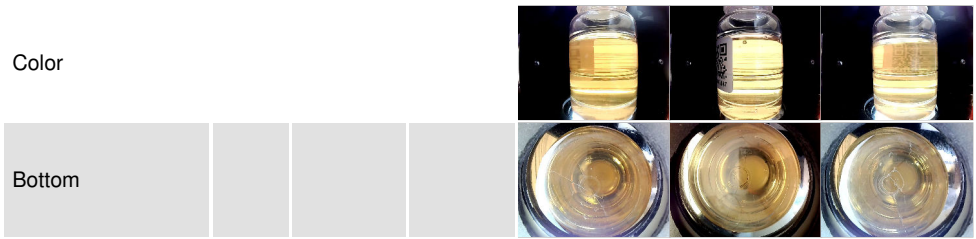
Particle Trend



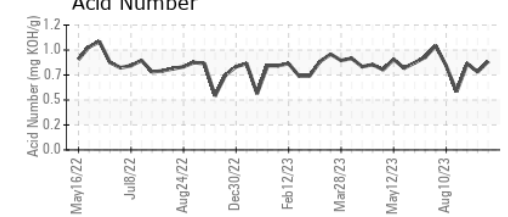
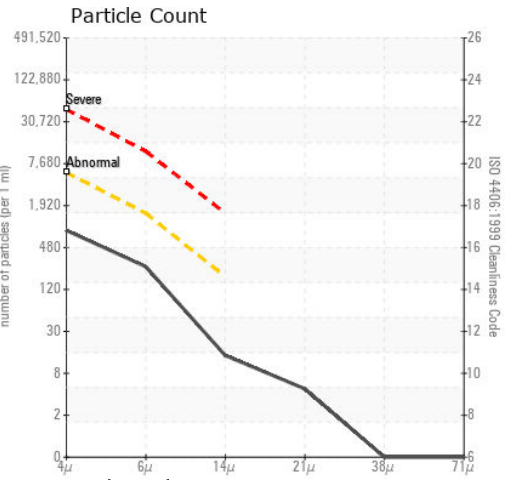
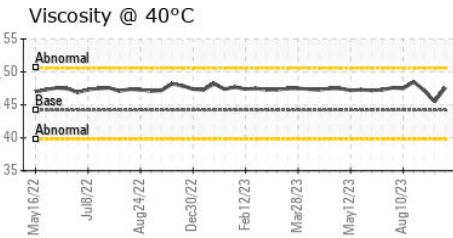
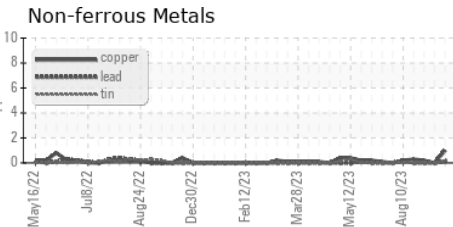
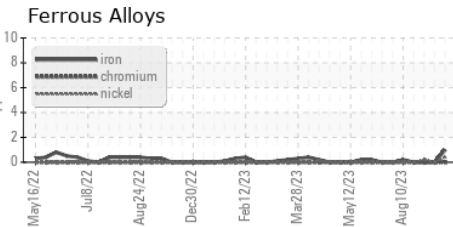
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	NEG	NEG	NEG
Free Water	scalar	*Visual	NEG	NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	44.2	47.6	45.5

SAMPLE IMAGES	method	limit/base	current	history1	history2
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GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0843035 **Received** : 25 Sep 2023
Lab Number : 05959772 **Diagnosed** : 26 Sep 2023
Unique Number : 10660985 **Diagnostician** : Don Baldrige
Test Package : IND 2 (Additional Tests: PrtCount)

LEPRINO FOODS-ROSWELL
 5600 OMAHA RD
 ROSWELL, NM
 US 88203
 Contact: VINCENT MCINTIRE
 vmcintire@leprinofoods.com
 T:
 F: (505)347-5728

Certificate L2367
 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)