

OIL ANALYSIS REPORT

Sample Rating Trend

LETORNEAU 120 - TILT

Component Gearbox

Machine Id

Fluid

SCHAEFFER 209 MOLY UNIVERSAL GEARLUBE SAE 140 (--- GAL)

DIAGNOSIS

Recommendation

We advise that you check for the source of water entry. Check seals and/or filters for points of contaminant entry. We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition.

Wear

All component wear rates are normal.

Contamination

There is a light concentration of water present in the oil. There is a moderate amount of visible silt present in the sample.

Fluid Condition

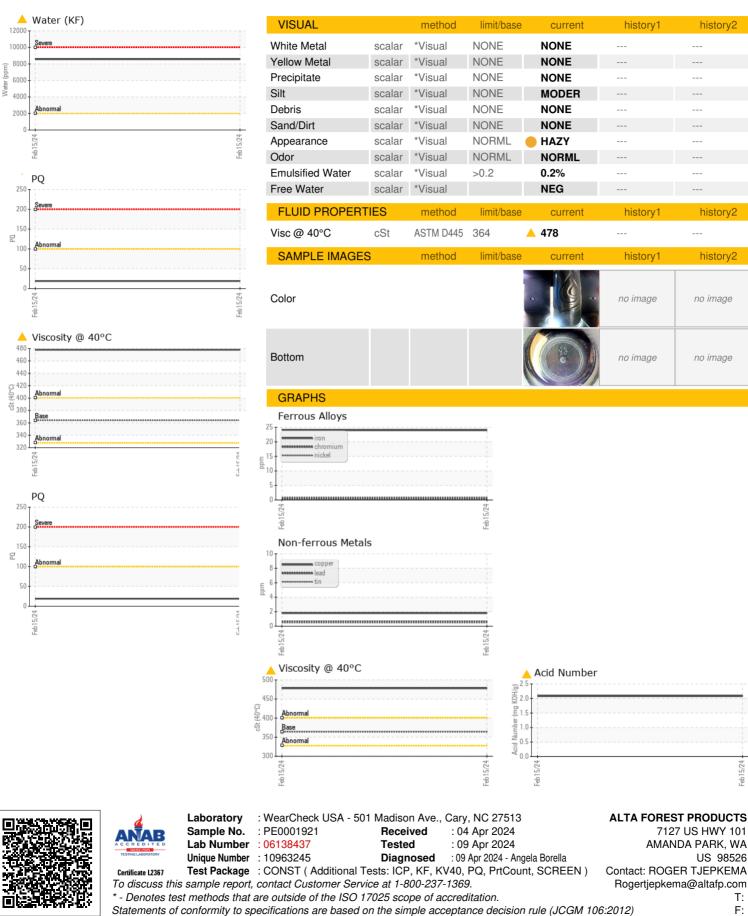
The AN level is above the recommended limit. The oil viscosity is higher than normal. The oil is no longer serviceable.

SAMPLE INFORM	ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PE0001921		
Sample Date		Client Info		15 Feb 2024		
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				ABNORMAL		
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184		19		
Iron	ppm	ASTM D5185m	>200	24		
Chromium	ppm	ASTM D5185m	>15	<1		
Nickel	ppm	ASTM D5185m	>15	<1		
Titanium	ppm	ASTM D5185m		<1		
Silver	ppm	ASTM D5185m		0		
Aluminum	ppm	ASTM D5185m	>25	12		
Lead	ppm	ASTM D5185m	>100	<1		
Copper	ppm	ASTM D5185m	>200	2		
Tin	ppm	ASTM D5185m	>25	<1		
Vanadium	ppm	ASTM D5185m		<1		
Cadmium	ppm	ASTM D5185m		<1		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		115		
Barium	ppm	ASTM D5185m		0		
Molybdenum	ppm	ASTM D5185m		287		
Manganese	ppm	ASTM D5185m		<1		
Magnesium	ppm	ASTM D5185m		17		
Calcium	ppm	ASTM D5185m		222		
Phosphorus	ppm	ASTM D5185m		719		
Zinc	ppm	ASTM D5185m		124		
Sulfur	ppm	ASTM D5185m		17195		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	32		
Sodium	ppm	ASTM D5185m		19		
ooulum						
Potassium	ppm	ASTM D5185m	>20	17		
	ppm %	ASTM D5185m ASTM D6304	>20 >0.2	17 • 0.857		
Potassium						
Potassium Water	% ppm	ASTM D6304	>0.2	0.857		





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Report Id: ALTAMA [WUSCAR] 06138437 (Generated: 04/09/2024 08:50:25) Rev: 1

Contact/Location: ROGER TJEPKEMA - ALTAMA

US 98526

T:

F:

5/24 -8

history2

history2

history2

no imade

no imade