

# **OIL ANALYSIS REPORT**



### Machine Id

LETORNEAU 120

Front Left Final Drive

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

## DIAGNOSIS

#### Recommendation

We advise that you check all areas where dirt can enter the system. We recommend you service the filters on this component if applicable. Resample at the next service interval to monitor.

## 🛑 Wear

All component wear rates are normal.

## Contamination

There is a high amount of particulates present in the oil. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress.

## Fluid Condition

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

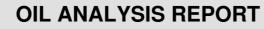
SAMPLE INFORMA	TION	method	limit/base	current	history1	history2
Sample Number		Client Info		PE0001915		
Sample Date		Client Info		15 Feb 2024		
Machine Age	nrs	Client Info		0		
Oil Age	nrs	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				ABNORMAL		
CONTAMINATION		method	limit/base	current	history1	history2
Water		WC Method	>0.2	NEG		
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184		240		
Iron p	opm	ASTM D5185m	>500	434		
Chromium p	opm	ASTM D5185m	>10	2		
	opm	ASTM D5185m	>10	6		
	opm	ASTM D5185m		4		
	opm	ASTM D5185m		0		
	opm	ASTM D5185m	>25	<b>3</b> 5		
	opm	ASTM D5185m	>25	4		
-	opm	ASTM D5185m	>50	55		
	opm	ASTM D5185m	>10	<1		
	opm	ASTM D5185m		<1		
Cadmium p	opm	ASTM D5185m		<1		
ADDITIVES		method	limit/base	current	history1	history2
Boron p	opm	ASTM D5185m		188		
Barium p	opm	ASTM D5185m		0		
Molybdenum p	opm	ASTM D5185m		672		
Manganese p	opm	ASTM D5185m		5		
	opm	ASTM D5185m		34		
	opm	ASTM D5185m		318		
	opm	ASTM D5185m		1189		
	opm	ASTM D5185m		165		
	opm	ASTM D5185m		27119		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	opm	ASTM D5185m	>75	<b>1</b> 55		
1	opm	ASTM D5185m		21		
	opm	ASTM D5185m	>20	10		
FLUID CLEANLINE	SS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>20000	<b>A</b> 287158		
Particles >6µm		ASTM D7647	>5000	<b>156432</b>		
Particles >14µm		ASTM D7647	>640	<b>A</b> 26623		
Particles >21µm		ASTM D7647	>160	<b>A</b> 8968		
Particles >38µm		ASTM D7647	>40	<b>1</b> 384		
Particles >71µm		ASTM D7647	>10	<u> </u>		
		100 4400 ( )	01/10/10			

ISO 4406 (c) >21/19/16 **425/24/22** 

**Oil Cleanliness** 



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Contact/Location: ROGER TJEPKEMA - ALTAMA