

## **OIL ANALYSIS REPORT**

Sample Rating Trend



Machine Id

**SMEAL LADDER 181** 

Hydraulic System AW HYDRAULIC OIL ISO 32 (--- GAL)

#### Recommendation

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) AW HYDRAULIC OIL ISO 32. Please confirm.

#### Wear

All component wear rates are normal.

### Contamination

There is no indication of any contamination in the oil.

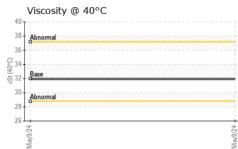
#### Fluid Condition

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

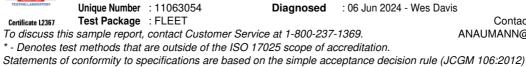
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2	
Sample Number		Client Info		WC0938760			
Sample Date		Client Info		09 May 2024			
Machine Age	hrs	Client Info		0			
Oil Age	hrs	Client Info		0			
Oil Changed		Client Info		Not Changd			
Sample Status				NORMAL			
CONTAMINATION	٧	method	limit/base	current	history1	history2	
Water		WC Method	>0.1	NEG			
WEAR METALS		method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185m	>20	0			
Chromium	ppm	ASTM D5185m	>10	<1			
Nickel	ppm	ASTM D5185m	>10	0			
Titanium	ppm	ASTM D5185m		<1			
Silver	ppm	ASTM D5185m		0			
Aluminum	ppm	ASTM D5185m	>10	4			
Lead	ppm	ASTM D5185m	>10	0			
Copper	ppm	ASTM D5185m	>75	<1			
Tin	ppm	ASTM D5185m	>10	<1			
Vanadium	ppm	ASTM D5185m		0			
Cadmium	ppm	ASTM D5185m		0			
ADDITIVES		method	limit/base	current	history1	history2	
			~				
Boron	ppm	ASTM D5185m	5	0			
Barium	ppm	ASTM D5185m	5	1			
Molybdenum	ppm	ASTM D5185m	5	0			
Manganese	ppm	ASTM D5185m	05	0			
Magnesium	ppm	ASTM D5185m	25	6			
Calcium	ppm	ASTM D5185m	200	58			
Phosphorus	ppm	ASTM D5185m	300	311			
Zinc	ppm	ASTM D5185m	370	408			
Sulfur	ppm	ASTM D5185m	2500	829			
CONTAMINANTS		method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m	>20	<1			
Sodium	ppm	ASTM D5185m		0			
Potassium	ppm	ASTM D5185m	>20	2			
VISUAL		method	limit/base	current	history1	history2	
White Metal	scalar	*Visual	NONE	NONE			
Yellow Metal	scalar	*Visual	NONE	NONE			
Precipitate	scalar	*Visual	NONE	NONE			
Silt	scalar	*Visual	NONE	NONE			
Debris	scalar	*Visual	NONE	NONE			
Sand/Dirt	scalar	*Visual	NONE	NONE			
Appearance	scalar	*Visual	NORML	NORML			
Odor	scalar	*Visual	NORML	NORML			
Emulsified Water	scalar	*Visual	>0.1	NEG			
Free Water	scalar	*Visual		NEG			
:02:07) Rev: 1	Contact/Location: AUGUST NAUMANN - MAGMAGTX						



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	FLUID PROPERTIES	method limit/base	e current	history1	history2
	Visc @ 40°C cSt	ASTM D445 32	31.9		
	SAMPLE IMAGES	method limit/base	e current	history1	history2
4.	Color		no image	no image	no image
May9/24	Bottom		no image	no image	no image
	GRAPHS				
	Ferrous Alloys				
	Non-ferrous Metals	Mar924			
	Viscosity @ 40°C	May9/24			
	38 - Abnormal				
	36 34 <del>g</del> 34 <del>g</del> 32 <del>g</del> 33 <del>g</del> 32 <del>g</del> 33 <del>g</del> 33				
	30 28 26 47 6 47 6 6 8 7 6 8 7 8 7 8 7 8 7 8 7 8 7 8 7	May9/24			
Laboratory Sample No. Lab Number Unique Number Test Package	: 06200931 Test : 11063054 Diag	eived : 05 Jun 2024		AGNOLIA FIRE	PO BOX 1210 MAGNOLIA, TX US 77355



MAGNOLIA, TX avis US 77355 Contact: AUGUST NAUMANN ANAUMANN@MAGNOLIAFIRE.ORG T: (281)356-3288 JJCGM 106:2012) F:

Contact/Location: AUGUST NAUMANN - MAGMAGTX