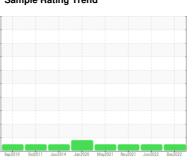


## **OIL ANALYSIS REPORT**

### Sample Rating Trend



NORMAL



# JHF STL METER (S/N EP041603)

Hydraulic System

Fluid

**ROYAL PURPLE SYNFILM 32 (45 GAL)** 

#### DIAGNOSIS

#### Recommendation

Resample at the next service interval to monitor.

#### Moor

All component wear rates are normal.

#### Contamination

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

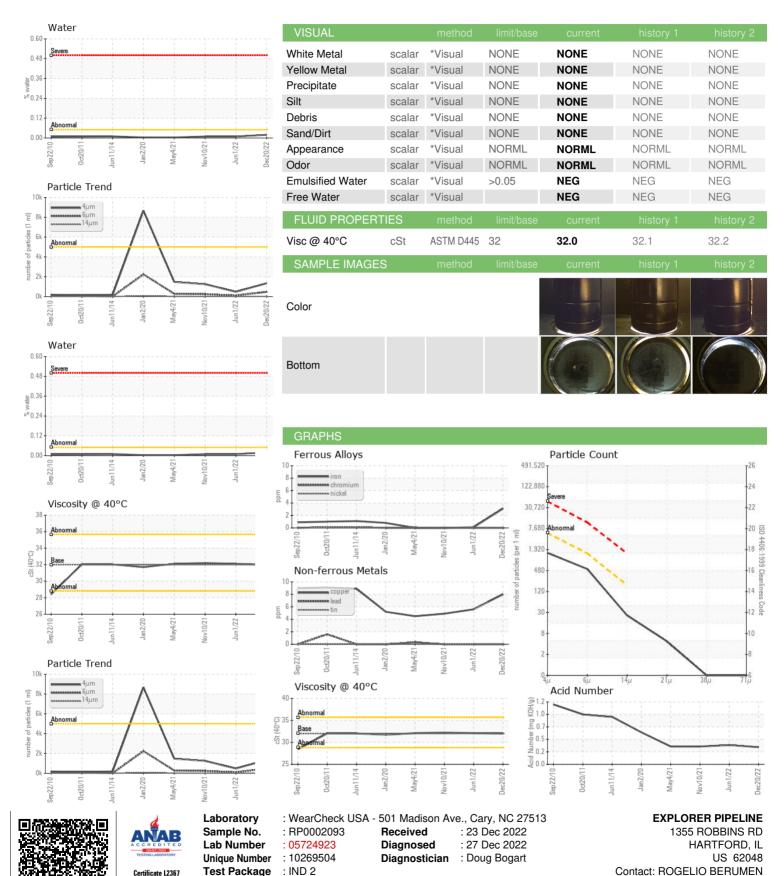
#### **Fluid Condition**

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

		Sep2010 (	Oct2011 Jun2014 Jan20	20 May2021 Nov2021 Jun2022	Dec2022	
SAMPLE INFORM	MATION	method	limit/base	current	history 1	history 2
Sample Number		Client Info		RP0002093	RP0001273	RP0001288
Sample Date		Client Info		20 Dec 2022	01 Jun 2022	10 Nov 2021
Machine Age	yrs	Client Info		0	0	1
Oil Age	yrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changd	N/A	Not Changd
Sample Status				NORMAL	NORMAL	NORMAL
WEAR METALS		method	limit/base	current	history 1	history 2
Iron	ppm	ASTM D5185m	>20	3	<1	0
Chromium	ppm	ASTM D5185m	>20	0	0	0
Nickel	ppm	ASTM D5185m	>20	0	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		<1	0	<1
Aluminum	ppm	ASTM D5185m	>20	0	<1	0
Lead	ppm	ASTM D5185m	>20	0	0	0
Copper	ppm	ASTM D5185m	>20	8	6	5
Tin	ppm	ASTM D5185m	>20	0	0	0
Antimony	ppm	ASTM D5185m				0
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	<1
ADDITIVES		method	limit/base	current	history 1	history 2
Boron	ppm	ASTM D5185m		0	0	4
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		<1	<1	0
Magnesium	ppm	ASTM D5185m	90	30	25	30
Calcium	ppm	ASTM D5185m		<1	2	9
Phosphorus	ppm	ASTM D5185m		279	195	201
Zinc	ppm	ASTM D5185m		284	229	240
CONTAMINANTS		method	limit/base	current	history 1	history 2
Silicon	ppm	ASTM D5185m	>15	4	0	0
Sodium	ppm	ASTM D5185m		0	1	1
Potassium	ppm	ASTM D5185m		<1	0	0
Water	%	ASTM D6304	>0.05	0.019	0.009	0.009
ppm Water	ppm	ASTM D6304	>500	197.1	95.5	90.2
FLUID CLEANLIN	ESS	method	limit/base	current	history 1	history 2
Particles >4µm		ASTM D7647	>5000	1345	474	1243
Particles >6µm		ASTM D7647	>1300	467	106	242
Particles >14μm		ASTM D7647	>160	22	17	16
Particles >21µm		ASTM D7647	>40	4	4	4
Particles >38μm		ASTM D7647	>10	0	0	0
Particles >71µm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	18/16/12	16/14/11	17/15/11
FLUID DEGRADA	TION	method	limit/base	current	history 1	history 2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.33	0.37	0.342



## **OIL ANALYSIS REPORT**



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)

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