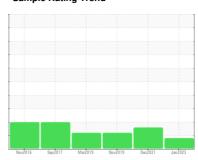


# **OIL ANALYSIS REPORT**

Sample Rating Trend





# Machine Id **260 (S/N 84)**

**Hydraulic System** 

**MOBIL MOBILFLUID 424 (--- GAL)** 

### Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor. ( Customer Sample Comment: 13221.2 hours )

All component wear rates are normal.

### Contamination

There is a moderate amount of silt (particulates < 14 microns in size) present in the oil.

### **Fluid Condition**

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

				کی دید		
		Nov2016	Sep 2017 Mar 2015	9 Nov2019 Dec2021	Jan 2023	
SAMPLE INFOR	RMATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PTK0003774	PTK0000859	PTKM2326262
Sample Date		Client Info		09 Jan 2023	02 Dec 2021	18 Nov 2019
Machine Age	hrs	Client Info		13221	13205	12755
Oil Age	hrs	Client Info		13221	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				ATTENTION	ABNORMAL	ABNORMAL
CONTAMINATIO	NC	method	limit/base	current	history1	history2
Water		WC Method	>0.1	NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	11	14	11
Chromium	ppm	ASTM D5185m	>10	<1	<1	<1
Nickel	ppm	ASTM D5185m	>10	0	0	<1
Titanium	ppm	ASTM D5185m		0	<1	0
Silver	ppm	ASTM D5185m		0	<1	0
Aluminum	ppm	ASTM D5185m	>10	2	2	2
Lead	ppm	ASTM D5185m	>10	5	8	6
Copper	ppm		>75	49	49	41
Tin	ppm	ASTM D5185m	>10	<1	<1	0
Antimony	ppm	ASTM D5185m	>10		0	0
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	<1	0
ADDITIVES	pp	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	mmbasc	38	46	33
Barium		ASTM D5185m		0	0	0
	ppm	ASTM D5185m		<1	<1	0
Molybdenum	ppm	ASTM D5185m		<1	<1	2
Manganese Magnesium	ppm	ASTM D5185m		10	11	8
Calcium	ppm	ASTM D5185m		- 4	1658	1688
	ppm			1603		716
Phosphorus	ppm	ASTM D5185m		674	764	
Zinc	ppm	ASTM D5185m		823	903	840
Sulfur	ppm	ASTM D5185m		5274	3847	1177
CONTAMINANT	S	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>20	3	7	8
Sodium	ppm	ASTM D5185m		4	<1	3
Potassium	ppm	ASTM D5185m	>20	0	1	1
FLUID CLEANLI	NESS	method	limit/base	current	history1	history2
Particles >4μm		ASTM D7647		33927	190536	177254
Particles >6µm		ASTM D7647	>2500	<b>4520</b>	<b>△</b> 62806	<u></u> 60798
Particles >14µm		ASTM D7647	>320	125	<b>▲</b> 3336	<u> </u>
Particles >21µm		ASTM D7647	>80	21	<u>▲</u> 877	<b>△</b> 346
Particles >38µm		ASTM D7647	>20	1	<u>^</u> 25	11
Particles > 71um		ACTM D7647	- 1	0	0	2

ASTM D7647 >4

ISO 4406 (c) >18/15

**19/14** 

Particles >71µm

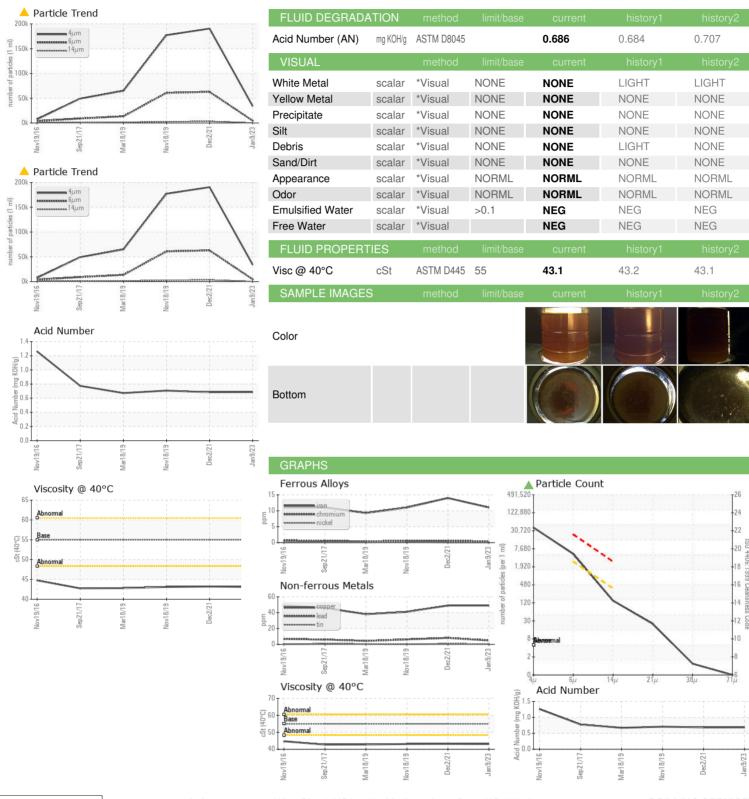
Oil Cleanliness

<u>\$\Delta\$ 25/23/19</u>

**25/23/18** 



## OIL ANALYSIS REPORT







Laboratory Sample No.

Lab Number **Unique Number** 

: 10324034 Test Package : MOB 2

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : 06 Feb 2023 : PTK0003774 Recieved : 05759427 Diagnosed : 07 Feb 2023

Diagnostician : Jonathan Hester

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)

**DRILLING SERVICE** 13230 FERGUSON LN

BRIDGETON, MO US 63044

Contact: BRUCE MURPHY bdmurphy@drillingserviceco.com

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