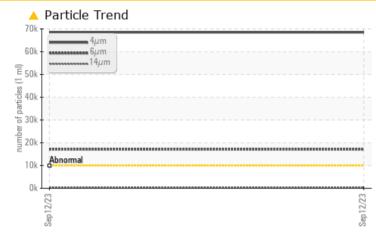
PROBLEM SUMMARY

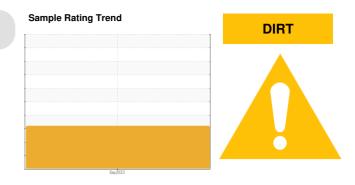
[187071-N2STV-4W] **U OF MICHIGAN (S/N 10003244)** Component

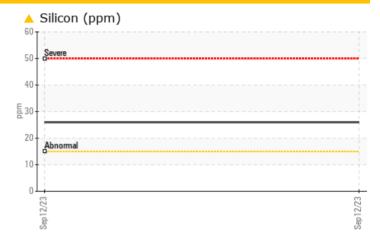
Hydraulic System MOBIL DTE FM 32 (--- GAL)

Parker

COMPONENT CONDITION SUMMARY







RECOMMENDATION

We recommend you service the filters on this component. Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS

THOBELM/THO TEOT HEODETO								
Sample Status				ABNORMAL				
Silicon	ppm	ASTM D5185m	>15	<u> </u>				
Particles >4µm		ASTM D7647	>10000	🔺 68491				
Particles >6µm		ASTM D7647	>2500	<u> </u>				
Particles >14µm		ASTM D7647	>320	465				
Oil Cleanliness		ISO 4406 (c)	>20/18/15	<u> </u>				
PrtFilter					no image	no image		

Customer Id: IMRCHA Sample No.: PH05965367 Lab Number: 05965367 Test Package: PLANT



To manage this report scan the QR code

To discuss the diagnosis or test data: Jonathan Hester +1 919-379-4092 x4092 ihester@wearcheckusa.com

To change component or sample information: Customer Service +1 1-800-237-1369 customerservice@wearcheck.com

RECOMMENDED ACTIONS							
Action	Status	Date	Done By	Description			
Change Filter			?	We recommend you service the filters on this component.			

HISTORICAL DIAGNOSIS

OIL ANALYSIS REPORT

Sample Rating Trend

Area [187071-N2STV-4W] Machine Id U OF MICHIGAN (S/N 10003244) Component

Hydraulic System Fluid MOBIL DTE FM 32 (--- GAL)

Parker

DIAGNOSIS

Recommendation

We recommend you service the filters on this component. Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

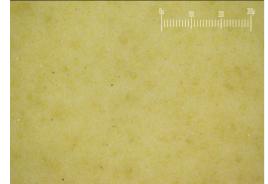
Contamination

There is a high amount of particulates present in the oil. Elemental level of silicon (Si) above normal indicating ingress of seal material.

Fluid Condition

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

Particle Filter (Magn: 200 x)



SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PH05965367		
Sample Date		Client Info		12 Sep 2023		
Machine Age	yrs	Client Info		0		
Oil Age	yrs	Client Info		2		
Oil Changed		Client Info		N/A		
Sample Status				ABNORMAL		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	<1		
Chromium	ppm	ASTM D5185m	>20	0		
Nickel	ppm	ASTM D5185m	>20	0		
Titanium	ppm	ASTM D5185m		0		
Silver	ppm	ASTM D5185m		0		
Aluminum	ppm	ASTM D5185m	>20	<1		
Lead	ppm	ASTM D5185m	>20	<1		
Copper	ppm	ASTM D5185m	>20	18		
Tin	ppm	ASTM D5185m	>20	0		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0		
Barium	ppm	ASTM D5185m		0		
Molybdenum	ppm	ASTM D5185m		0		
Manganese	ppm	ASTM D5185m		0		
Magnesium	ppm	ASTM D5185m		2		
Calcium	ppm	ASTM D5185m		25		
Phosphorus	ppm	ASTM D5185m		526		
Zinc	ppm	ASTM D5185m		95		
Sulfur	ppm	ASTM D5185m		669		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	<u> </u>		
Sodium	ppm	ASTM D5185m		1		
Potassium	ppm	ASTM D5185m	>20	0		
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>10000	<u> </u>		
Particles >6µm		ASTM D7647	>2500	<u> </u>		
Particles >14µm		ASTM D7647	>320	465		
Particles >21µm		ASTM D7647	>80	66		
Particles >38µm		ASTM D7647	>20	4		
Particles >71µm		ASTM D7647	>4	2		
Oil Cleanliness		ISO 4406 (c)	>20/18/15	A 23/21/16		
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.22		



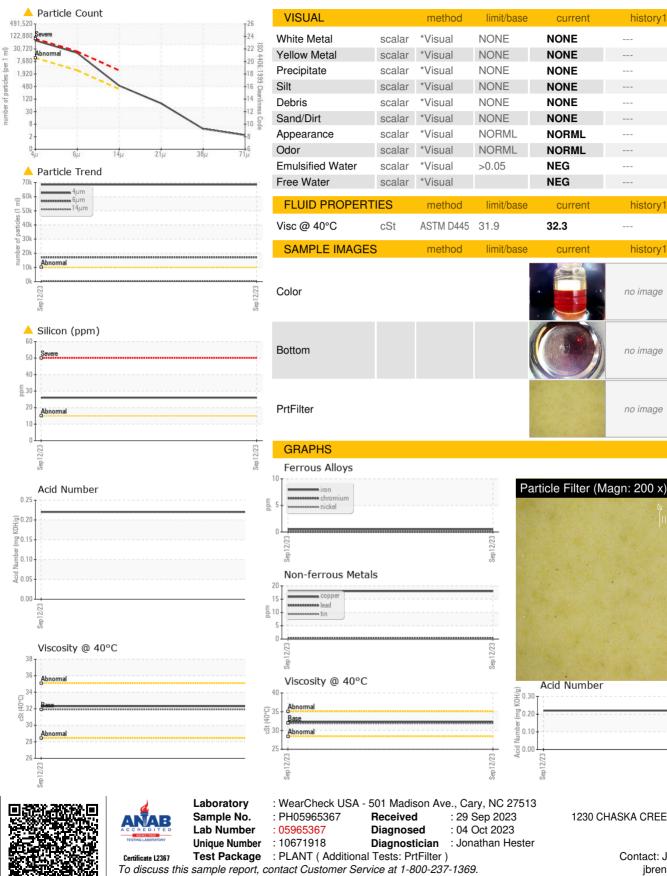


Report Id: IMRCHA [WUSCAR] 05965367 (Generated: 10/05/2023 04:20:33) Rev: 1



number of particles (per 1

OIL ANALYSIS REPORT



* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

IMRIS 1230 CHASKA CREEK WAY, SUITE 100 CHASKA, MN US 55318 Contact: JILL BRENENGEN jbrenengen@imris.com T: (763)203-6335 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) F:

Contact/Location: JILL BRENENGEN - IMRCHA

Sep.

history2

historv2

history2

no imade

no imade

no image