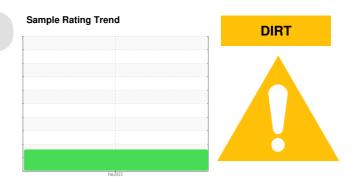


## **PROBLEM SUMMARY**

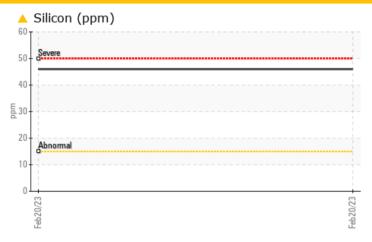
# PAUL MORETZ [187416-N2STV4W] Machine Id 9013165

Component **Hydraulic System** 

**AW HYDRAULIC OIL ISO 46 (55 GAL)** 



### **COMPONENT CONDITION SUMMARY**



### RECOMMENDATION

Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS										
Sample Status				ABNORMAL						
Silicon	ppm	ASTM D5185m	>15	<b>46</b>						
PrtFilter				no image	no image	no image				

Customer Id: RGGYOR
Sample No.: PH05782452
Lab Number: 05782452
Test Package: PLANT

To manage this report scan the QR code

To discuss the diagnosis or test data:
Angela Borella +1 800-237-1369
angela.borella@wearcheckusa.com

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

### RECOMMENDED ACTIONS

There are no recommended actions for this sample.

### HISTORICAL DIAGNOSIS



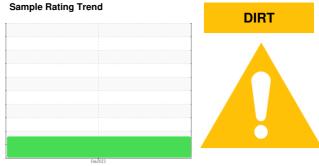
## **OIL ANALYSIS REPORT**

# PAUL MORETZ [187416-N2STV4W] 9013165

Component

**Hydraulic System** 

**AW HYDRAULIC OIL ISO 46 (55 GAL)** 



### **DIAGNOSIS**

### Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

### Contamination

Elemental level of silicon (Si) above normal. The amount and size of particulates present in the system are acceptable.

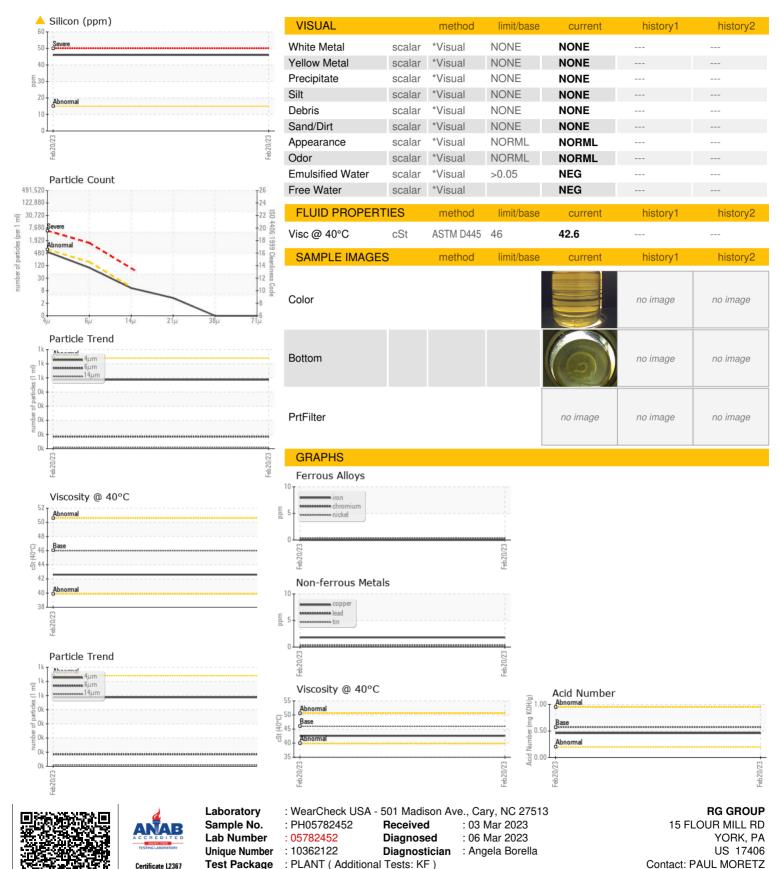
### **Fluid Condition**

The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in

				Feb 2023		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PH05782452		
Sample Date		Client Info		20 Feb 2023		
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		8		
Oil Changed		Client Info		N/A		
Sample Status				ABNORMAL		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	0		
Chromium	ppm	ASTM D5185m	>20	0		
Nickel	ppm	ASTM D5185m	>20	<1		
Titanium	ppm	ASTM D5185m		<1		
Silver	ppm	ASTM D5185m		<1		
Aluminum	ppm	ASTM D5185m	>20	<1		
Lead	ppm	ASTM D5185m	>20	<1		
Copper	ppm	ASTM D5185m	>20	2		
Tin	ppm	ASTM D5185m	>20	<1		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	5	3		
Barium	ppm	ASTM D5185m	5	1		
Molybdenum	ppm	ASTM D5185m	5	4		
Manganese	ppm	ASTM D5185m		0		
Magnesium	ppm	ASTM D5185m	25	18		
Calcium	ppm	ASTM D5185m	200	100		
Phosphorus	ppm	ASTM D5185m	300	342		
Zinc	ppm	ASTM D5185m	370	435		
Sulfur	ppm	ASTM D5185m	2500	1514		
CONTAMINANTS	3	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	<b>46</b>		
Sodium	ppm	ASTM D5185m		0		
Potassium	ppm	ASTM D5185m	>20	<1		
Water	%	ASTM D6304	>0.05	NEG		
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>640	487		
Particles >6µm		ASTM D7647	>160	85		
Particles >14µm		ASTM D7647	>10	9		
Particles >21µm		ASTM D7647	>3	3		
Particles >38µm		ASTM D7647	>3	0		
Particles >71µm		ASTM D7647	>3	0		
Oil Cleanliness		ISO 4406 (c)	>16/14/10	16/14/10		
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.57	0.46		



### **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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paul.moretz@rg-group.com