

## **OIL ANALYSIS REPORT**

#### Sample Rating Trend

## NORMAL

#### Area SPM74 - HYDRAULIC Machine Id SKIN PASS MILL HIGH AND LOW PRESSURE (S/N 16-4100-1020)

Component Hydraulic System

AW HYDRAULIC OIL ISO 46 (--- QTS)

### DIAGNOSIS

#### Recommendation

Resample at the next service interval to monitor.

#### Wear

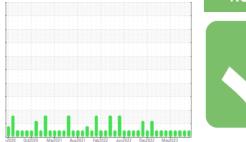
All component wear rates are normal.

#### Contamination

There is no indication of any contamination in the oil. 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 suitable for further service.





SAMPLE INFORM	ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		RP0035429	RP0035595	RP0035361
Sample Date		Client Info		29 Aug 2023	26 Jul 2023	28 Jun 2023
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184		12		
Iron	ppm	ASTM D5185m	>20	2	1	<1
Chromium	ppm	ASTM D5185m	>20	<1	<1	0
Nickel	ppm	ASTM D5185m	>20	0	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>20	0	0	<1
Lead	ppm	ASTM D5185m	>20	0	0	0
Copper	ppm	ASTM D5185m	>20	<1	1	<1
Tin	ppm	ASTM D5185m	>20	0	0	0
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	5	0	0	0
Barium	ppm	ASTM D5185m	5	2	2	0
Molybdenum	ppm	ASTM D5185m	5	0	0	0
Manganese	ppm	ASTM D5185m		0	0	0
Magnesium	ppm	ASTM D5185m	25	<1	<1	4
Calcium	ppm	ASTM D5185m	200	46	47	44
Phosphorus	ppm	ASTM D5185m	300	323	338	338
Zinc	ppm	ASTM D5185m	370	369	378	366
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	2	2	<1
Sodium	ppm	ASTM D5185m		0	0	<1
Potassium	ppm	ASTM D5185m	>20	<1	<1	<1
Water	%	ASTM D6304	>0.05	0.004	0.005	0.001
ppm Water	ppm	ASTM D6304	>500	45.7	50.6	11.7
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>640	334	429	102
Particles >6µm		ASTM D7647	>160	77	89	38
Particles >14µm		ASTM D7647	>20	13	5	3
Particles >21µm		ASTM D7647	>4	6	2	2
Particles >38µm		ASTM D7647	>3	1	0	0
Particles >71µm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>16/14/11	16/13/11	16/14/10	14/12/9
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.57	0.23	0.23	0.23



Particle Trend

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# **OIL ANALYSIS REPORT**

scalar

scalar

scalar

scalar

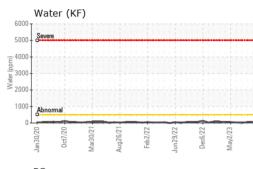
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NONE

Bottom

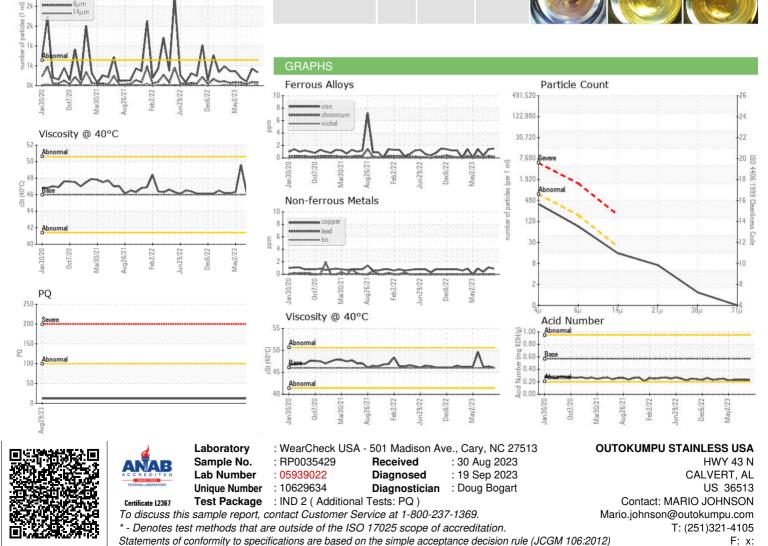
White Metal

Yellow Metal

Precipitate

Silt

Debris



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