

OIL ANALYSIS REPORT

Sample Rating Trend

ISO

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STIR STATION

Component

Hydraulic Syste

Hydraulic System

KOST ACHIEVAL FRH-200 (--- GAL)

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.

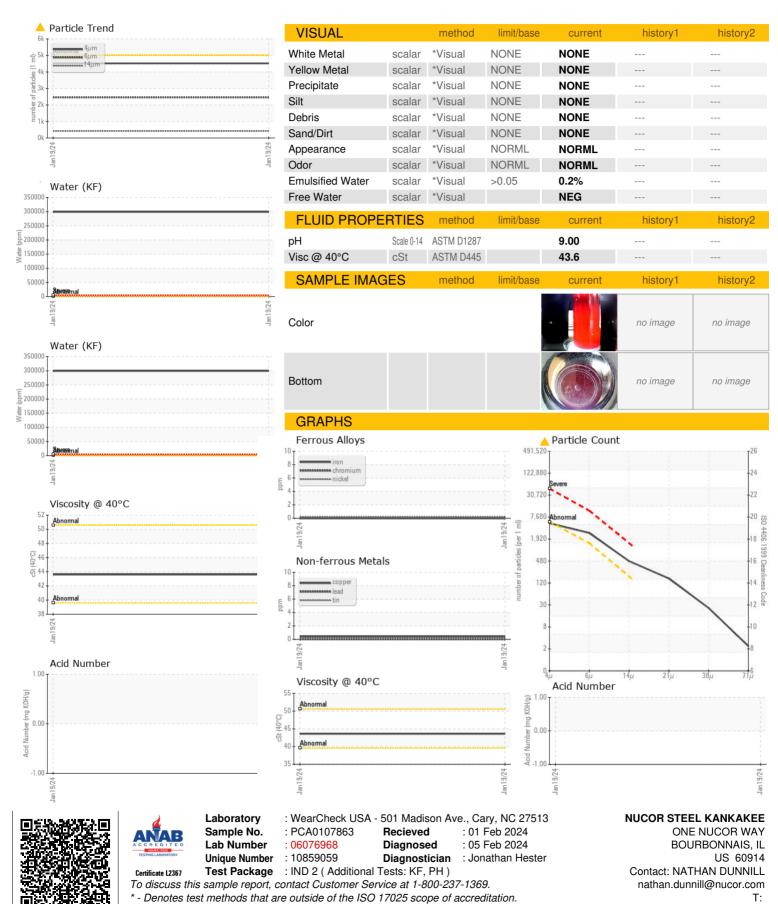
Fluid Condition

The pH level of this fluid is within the acceptable limits at 9.0. The condition of the oil is acceptable for the time in service.

				Jan 2024		
SAMPLE INFOR	RMATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0107863		
Sample Date		Client Info		19 Jan 2024		
Machine Age	days	Client Info		0		
Oil Age	days	Client Info		90		
Oil Changed		Client Info		N/A		
Sample Status				ABNORMAL		
WEAR META	LS	method	limit/base	current	history1	history2
ron	ppm	ASTM D5185m	>20	0		
Chromium	ppm	ASTM D5185m	>20	0		
Nickel	ppm	ASTM D5185m	>20	<1		
Titanium	ppm	ASTM D5185m		0		
Silver	ppm	ASTM D5185m		0		
Aluminum	ppm	ASTM D5185m	>20	0		
_ead	ppm	ASTM D5185m	>20	0		
Copper	ppm	ASTM D5185m	>20	<1		
Γin	ppm	ASTM D5185m	>20	<1		
/anadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		<1		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0		
Barium	ppm	ASTM D5185m		<1		
Molybdenum	ppm	ASTM D5185m		0		
Manganese	ppm	ASTM D5185m		<1		
Magnesium	ppm	ASTM D5185m		<1		
Calcium	ppm	ASTM D5185m		1		
Phosphorus	ppm	ASTM D5185m		2		
Zinc	ppm	ASTM D5185m		9		
Sulfur	ppm	ASTM D5185m		0		
CONTAMINA	NTS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	0		
Sodium	ppm	ASTM D5185m		0		
Potassium	ppm	ASTM D5185m	>20	<1		
Nater	%	ASTM D6304		29.9		
opm Water	ppm	ASTM D6304	>500	299000		
FLUID CLEAN	ILINESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	4515		
Particles >6µm		ASTM D7647	>1300	4 2460		
Particles >14µm		ASTM D7647	>160	419		
Particles >21µm		ASTM D7647	>40	<u> </u>		
Particles >38µm		ASTM D7647	>10	<u>^</u> 22		
Particles >71µm		ASTM D7647	>3	<u>^</u> 2		
Oil Cleanliness		ISO 4406 (c)	>19/17/14	<u>→</u> 19/18/16		
Ologimi 1000		.55 1400 (0)	2 10/11/1T			



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Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

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