

# **OIL ANALYSIS REPORT**

Sample Rating Trend



## Machine Id STIR STATION

Component Hydraulic System Fluid KOST ACHIEVAL FRH 46 (--- GAL)

### 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.

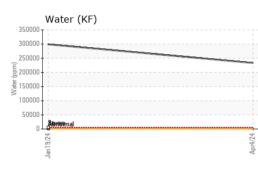
### Fluid Condition

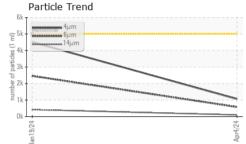
The pH level of this fluid is within the acceptable limits at 11.0. The condition of the oil is acceptable for the time in service.

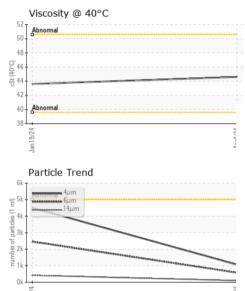
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0107858	PCA0107863	
Sample Date		Client Info		04 Apr 2024	19 Jan 2024	
Machine Age	days	Client Info		0	0	
Oil Age	days	Client Info		0	90	
Oil Changed		Client Info		N/A	N/A	
Sample Status				NORMAL	ABNORMAL	
WEAR METAL	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	2	0	
Chromium	ppm	ASTM D5185m	>20	1	0	
Nickel	ppm	ASTM D5185m	>20	1	<1	
Titanium	ppm	ASTM D5185m		<1	0	
Silver	ppm	ASTM D5185m		0	0	
Aluminum	ppm	ASTM D5185m	>20	11	0	
Lead	ppm	ASTM D5185m	>20	0	0	
Copper	ppm	ASTM D5185m	>20	<1	<1	
Tin	ppm	ASTM D5185m	>20	<1	<1	
Vanadium	ppm	ASTM D5185m		2	0	
Cadmium	ppm	ASTM D5185m		<1	<1	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		1	0	
Barium	ppm	ASTM D5185m		0	<1	
Molybdenum	ppm	ASTM D5185m		<1	0	
Manganese	ppm	ASTM D5185m		<1	<1	
Magnesium	ppm	ASTM D5185m		<1	<1	
Calcium	ppm	ASTM D5185m		3	1	
Phosphorus	ppm	ASTM D5185m		9	2	
Zinc	ppm	ASTM D5185m		3	9	
Sulfur	ppm	ASTM D5185m		0	0	
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	3	0	
Sodium	ppm	ASTM D5185m		43	0	
Potassium	ppm	ASTM D5185m	>20	6	<1	
Water	%	ASTM D6304	>0.05	23.3	29.9	
ppm Water	ppm	ASTM D6304	>500	233000	299000	
FLUID CLEANL	INESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	1061	4515	
Particles >6µm		ASTM D7647	>1300	578	<u> </u>	
Particles >14µm		ASTM D7647	>160	98	<b>4</b> 19	
Particles >21µm		ASTM D7647	>40	33	<u> </u>	
Particles >38µm		ASTM D7647	>10	5	<u> </u>	
Particles >71µm		ASTM D7647	>3	1	<u> </u>	
Oil Cleanliness		ISO 4406 (c)	>19/17/14	17/16/14	▲ 19/18/16	

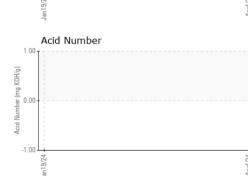


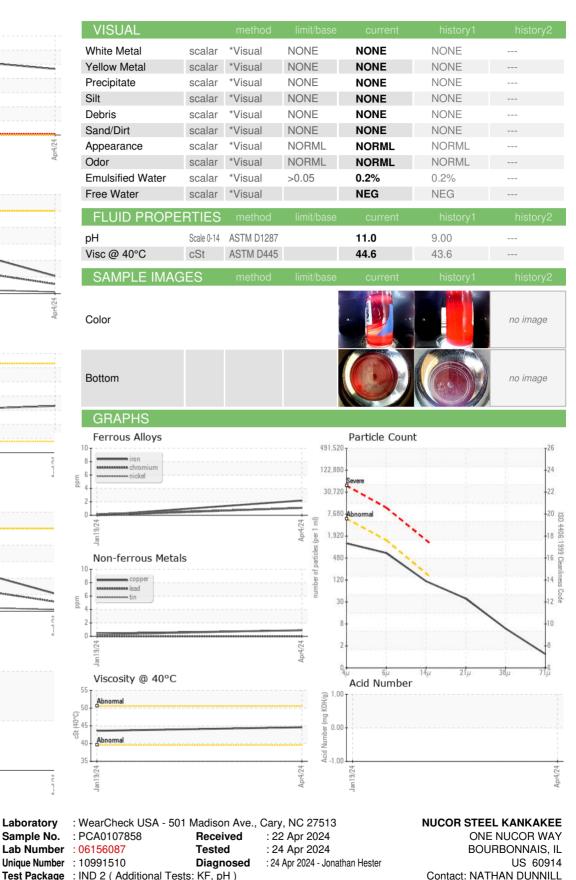
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Test Package : IND 2 ( Additional Tests: KF, pH ) To discuss this sample report, contact Customer Service at 1-800-237-1369.

\* - 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)

Report Id: NUCBOUIL [WUSCAR] 06156087 (Generated: 04/24/2024 15:16:35) Rev: 1

Certificate 12367

Laboratory

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