

OIL ANALYSIS REPORT

Sample Rating Trend

SAMPLE INFORMATION method

ISO

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

DIAGNOSIS

Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

Wear

Machine Id

All component wear rates are normal.

Contamination

There is a moderate amount of particulates present in the oil.

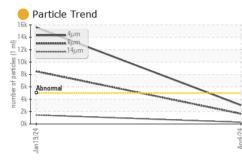
Fluid Condition

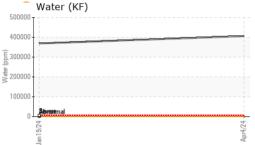
The pH level of this fluid is within the acceptable limits at 11.0. The condition of the oil is acceptable for the time in service.

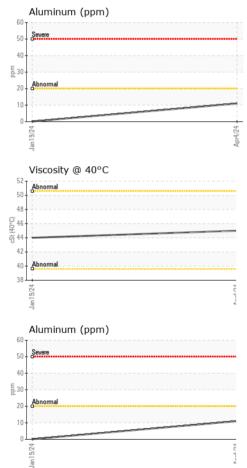
		method	innit/base	Current	Thistory	matoryz
Sample Number		Client Info		PCA0107868	PCA0107866	
Sample Date		Client Info		04 Apr 2024	19 Jan 2024	
Machine Age	hrs	Client Info		0	0	
Oil Age	hrs	Client Info		0	90	
Oil Changed		Client Info		N/A	N/A	
Sample Status				ATTENTION	ABNORMAL	
				-	-	
WEAR METAL	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	<1	
Aluminum	ppm	ASTM D5185m	>20	11	<1	
Lead	ppm	ASTM D5185m	>20	0	0	
Copper	ppm	ASTM D5185m		<1	0	
Tin	ppm	ASTM D5185m	>20	<1	<1	
Vanadium	ppm	ASTM D5185m		2	0	
Cadmium		ASTM D5185m		2 <1	1	
	ppm			< I	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	2	
Phosphorus	ppm	ASTM D5185m		9	3	
Zinc	ppm	ASTM D5185m		5	8	
Sulfur	ppm	ASTM D5185m		0	20	
CONTAMINAN		method	limit/base	current	history1	history2
						Thistoryz
Silicon	ppm	ASTM D5185m	>15	3	<1	
Sodium	ppm	ASTM D5185m		37	0	
Potassium	ppm	ASTM D5185m	>20	6	<1	
Water	%	ASTM D6304	>0.05	40.6	36.9	
ppm Water	ppm	ASTM D6304	>500	406000	369000	
FLUID CLEANL	INESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	3028	▲ 15607	
Particles >6µm		ASTM D7647	>1300	<u> </u>	▲ 8502	
Particles >14µm		ASTM D7647	>160	281	1 447	
Particles >21µm		ASTM D7647		95	4 87	
Particles >38µm		ASTM D7647	>10	15	▲ 75	
				-		
Particles >71um		ASTM D7647	>3	1	<u> </u>	
Particles >71µm Oil Cleanliness		ASTM D7647 ISO 4406 (c)	>3 >19/17/14	1 19/18/15	▲ 8▲ 21/20/18	

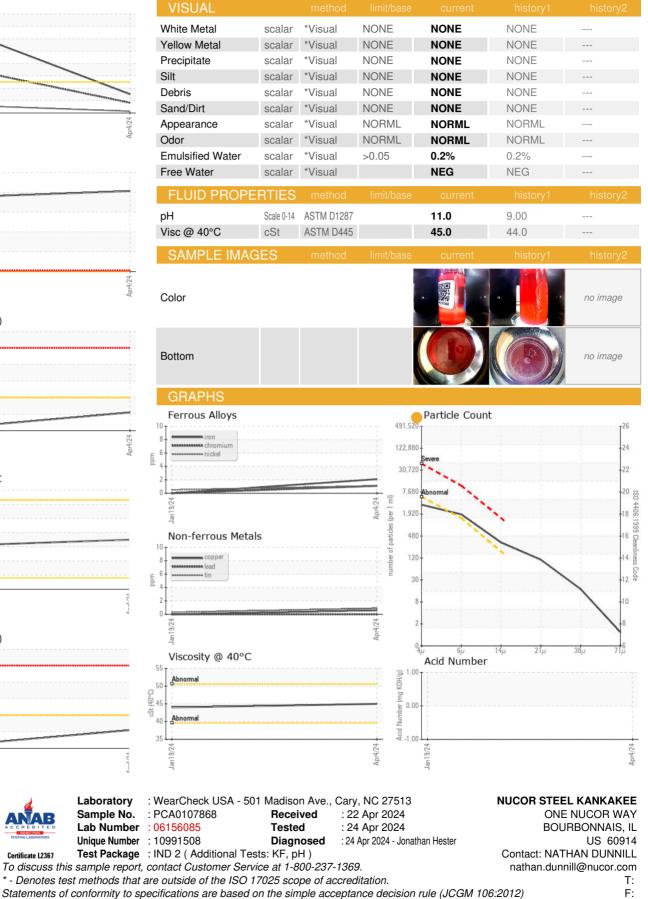


OIL ANALYSIS REPORT









Certificate 12367

Contact/Location: NATHAN DUNNILL - NUCBOUIL