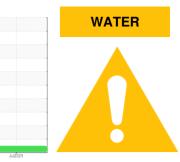


OIL ANALYSIS REPORT



Machine Id

CASTER BED

Hydraulic System 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 9.0. The condition of the oil is acceptable for the time in service.

SAMPLE INFORM		method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0107870	PCA0107860	PCA0107862
Sample Date		Client Info		11 Jul 2024	04 Apr 2024	19 Jan 2024
Machine Age	days	Client Info		0	0	0
Oil Age	days	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				MARGINAL	ATTENTION	ABNORMAL
WEAR METAL	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	<1	6	0
Chromium	ppm	ASTM D5185m	>20	0	1	0
Nickel	ppm	ASTM D5185m	>20	<1	1	<1
Titanium	ppm	ASTM D5185m		0	<1	0
Silver	ppm	ASTM D5185m		<1	0	0
Aluminum	ppm	ASTM D5185m	>20	0	10	<1
Lead	ppm	ASTM D5185m	>20	0	0	0
Copper	ppm	ASTM D5185m	>20	<1	1	<1
Tin	ppm	ASTM D5185m	>20	<1	<1	<1
Vanadium	ppm	ASTM D5185m		0	1	0
Cadmium	ppm	ASTM D5185m		<1	2	<1
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	1	0
Barium	ppm	ASTM D5185m		0	0	<1
Molybdenum	ppm	ASTM D5185m		0	<1	0
Manganese	ppm	ASTM D5185m		0	<1	<1
Magnesium	ppm	ASTM D5185m		3	1	1
Calcium	ppm	ASTM D5185m		2	4	1
Phosphorus	ppm	ASTM D5185m		11	11	<1
Zinc	ppm	ASTM D5185m		3	11	8
Sulfur	ppm	ASTM D5185m		24	0	0
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	<1	3	0
Sodium	ppm	ASTM D5185m		0	39	0
Potassium	ppm	ASTM D5185m	>20	<1	5	<1
Water	%	ASTM D6304		35.7	39.0	36.8
ppm Water	ppm	ASTM D6304	>500	357000	390000	368000
FLUID CLEANL	INESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	1375	1983	▲ 5646
Particles >6µm		ASTM D7647	>1300	749	1080	A 3076
Particles >14µm		ASTM D7647	>160	127	184	5 23
Particles >21µm		ASTM D7647	>40	43	62	1 76
Particles >38µm		ASTM D7647	>10	7	10	<u> </u>
Particles >71µm		ASTM D7647	>3	1	1	<u> </u>
Oil Cleanliness		ISO 4406 (c)	>19/17/14	18/17/14	18/17/15	▲ 20/19/16



OIL ANALYSIS REPORT

scalar

scalar

scalar

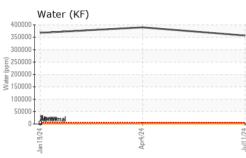
VISUAL

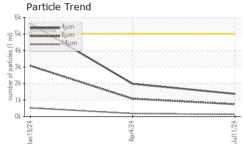
White Metal

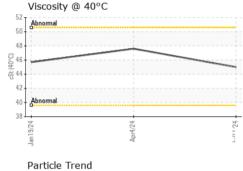
Yellow Metal

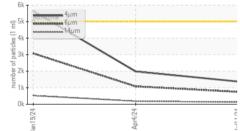
Precipitate

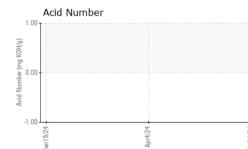
Silt













method

*Visual

*Visual

*Visual

scalar *Visual

limit/base

NONE

NONE

NONE

NONE

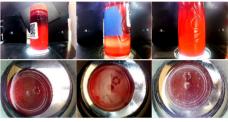
current

NONE

NONE

NONE

NONE



history1

NONE

NONE

NONE

NONE

history2

NONE

NONE

NONE

NONE

NONE

NONE

NORML

NORML

histor

0.2%

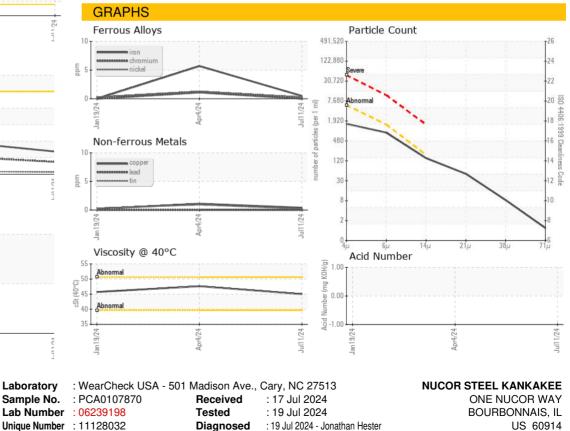
NEG

9.00

45.7

histo

Bottom





* - 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] 06239198 (Generated: 07/21/2024 13:17:00) Rev: 1

Submitted By: JIM MACK Page 2 of 2

T:

F:

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