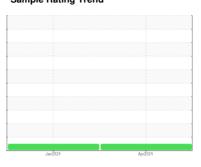


OIL ANALYSIS REPORT

Sample Rating Trend







Machine Id

CASTER MAIN

Hydraulic System

KOST ACHIEVAL FRH 46 (--- GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Moor

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.

			Jan 2024	Apr2024		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0107859	PCA0107865	
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	NORMAL	
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	<1	
Lead	ppm	ASTM D5185m	>20	0	0	
Copper	ppm	ASTM D5185m	>20	<1	0	
Tin	ppm	ASTM D5185m	>20	<1	<1	
Vanadium	ppm	ASTM D5185m		2	0	
Cadmium	ppm	ASTM D5185m		- <1	0	
ADDITIVES	''	method	limit/base	current	history1	history2
Boron	nnm	ASTM D5185m		1	0	
Barium	ppm	ASTM D5185m		0	<1	
Molybdenum	ppm	ASTM D5185m		<1	0	
	ppm	ASTM D5185m		<1	<1	
Manganese Magnesium	ppm	ASTM D5185m		<1	1	
Calcium	ppm	ASTM D5185m		3	1	
	ppm	ASTM D5185m		9	4	
Phosphorus Zinc	ppm	ASTM D5185m		3	6	
Sulfur	ppm	ASTM D5185m		0	0	
	ppm					
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm		>15	3	<1	
Sodium	ppm	ASTM D5185m		42	0	
Potassium	ppm	ASTM D5185m		5	1	
Water	%	ASTM D6304	>0.05	38.0	36.7	
ppm Water	ppm	ASTM D6304	>500	380000	367000	
FLUID CLEANL	INESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	783	705	
Particles >6µm		ASTM D7647	>1300	426	384	
Particles >14μm		ASTM D7647	>160	73	65	
Particles >21µm		ASTM D7647	>40	24	22	
Particles >38µm		ASTM D7647	>10	4	3	
Particles >71μm		ASTM D7647	>3	0	0	
Oil Cleanliness		ISO 4406 (c)	>19/17/14	17/16/13	17/16/13	



OIL ANALYSIS REPORT







Certificate 12367

Laboratory Sample No.

: PCA0107859 Lab Number : 06156086 Unique Number : 10991509

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 22 Apr 2024 **Tested** : 24 Apr 2024 Diagnosed

: 24 Apr 2024 - Jonathan Hester Test Package : IND 2 (Additional Tests: KF, pH)

To discuss this sample report, contact Customer Service at 1-800-237-1369. st - Denotes test methods that are outside of the ISO 17025 scope of accreditation. **NUCOR STEEL KANKAKEE**

ONE NUCOR WAY BOURBONNAIS, IL US 60914

Contact: NATHAN DUNNILL nathan.dunnill@nucor.com T:

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