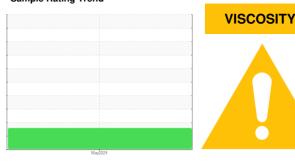


OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

PK STEERING

Component Hydraulic System

AW HYDRAULIC OIL ISO 46 (--- GAL)

DIAGNOSIS

Recommendation

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

All component wear rates are normal.

Contamination

There is a high amount of silt (particulates < 14 microns in size) present in the oil.

Fluid Condition

Viscosity of sample indicates oil is within ISO 32 range, advise investigate. Confirm oil type. The AN level is acceptable for this fluid.

			1	May2024		
CAMPLE INFORM	4471011					
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PTK0005301		
Sample Date		Client Info		01 May 2024		
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				ABNORMAL		
CONTAMINATION	١	method	limit/base	current	history1	history2
Water		WC Method	>0.1	NEG		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	<1		
Chromium	ppm	ASTM D5185m	>10	<1		
Nickel	ppm	ASTM D5185m	>10	0		
Titanium	ppm	ASTM D5185m		0		
Silver	ppm	ASTM D5185m		0		
Aluminum	ppm	ASTM D5185m	>10	0		
Lead	ppm	ASTM D5185m	>10	0		
Copper	ppm	ASTM D5185m	>75	47		
Tin	ppm	ASTM D5185m	>10	0		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES	le le	method	limit/base	current	history1	history2
					Thistory	1113101 y 2
Boron	ppm	ASTM D5185m	5	1		
Barium	ppm	ASTM D5185m	5	0		
Molybdenum	ppm	ASTM D5185m	5	2		
Manganese	ppm	ASTM D5185m		0		
Magnesium	ppm	ASTM D5185m	25	20		
Calcium	ppm	ASTM D5185m	200	138		
Phosphorus	ppm	ASTM D5185m	300	319		
Zinc	ppm	ASTM D5185m	370	365		
Sulfur	ppm	ASTM D5185m	2500	1999		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>20	<1		
Sodium	ppm	ASTM D5185m		<1		
Potassium	ppm	ASTM D5185m	>20	0		
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	<u> </u>		
Particles >6µm		ASTM D7647	>1300	4150		
Particles >14μm		ASTM D7647	>160	99		
Particles >21µm		ASTM D7647	>40	13		
Particles >38µm		ASTM D7647	>10	0		
Particles >71µm		ASTM D7647	>3	0		
Oil Cleanliness		ISO 4406 (c)	>19/17/14	<u> </u>		
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
. LOID BEGINDI		motriou	mma base	Carront	1113101 y 1	HIOLOTYL

Acid Number (AN)

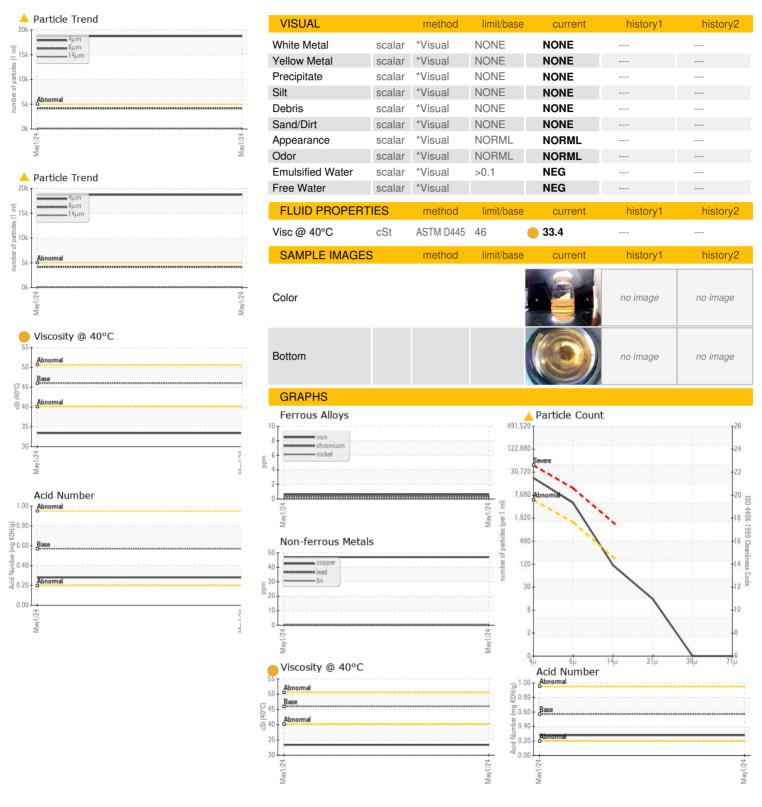
mg KOH/g ASTM D8045 0.57

0.28

Contact/Location: Rudy Villar - HEIGRA



OIL ANALYSIS REPORT





Certificate 12367

Laboratory Sample No.

Lab Number : 06234836

: PTK0005301

Unique Number : 11123670 Test Package : MOB 2

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 12 Jul 2024

Tested : 15 Jul 2024 Diagnosed : 15 Jul 2024 - Don Baldridge

HEIDTMAN STEEL 10 NORTHGATE INDUSTRIAL DR GRANITE CITY, IL

US 62040 Contact: Rudy Villar

Rudy.Villar@Heidtman.com

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: HEIGRA [WUSCAR] 06234836 (Generated: 07/18/2024 17:00:01) Rev: 1

Contact/Location: Rudy Villar - HEIGRA

T:

F: