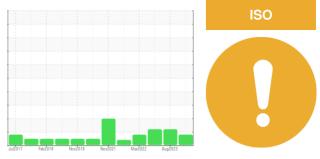


OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id Component Hydraulic System Fluid AW HYDRAULIC OIL ISO 46 (280 GAL)

DIAGNOSIS

Recommendation

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

Wear

All component wear rates are normal.

Contamination

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

Fluid Condition

Confirm oil type. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

SAMPLE INFORM	IATION					
Sample Number		Client Info		PTK0005298	PTK0004427	PTK0003594
Sample Date		Client Info		01 May 2024	28 Aug 2023	19 Sep 2022
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				ATTENTION	ABNORMAL	ABNORMAL
CONTAMINATION	۷	method	limit/base	current	history1	history2
Water		WC Method	>0.1	NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	<1	2	<1
Chromium	ppm	ASTM D5185m	>10	0	0	0
Nickel	ppm	ASTM D5185m	>10	0	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>10	0	0	0
Lead	ppm	ASTM D5185m	>10	0	0	0
Copper	ppm	ASTM D5185m	>75	<1	<1	0
Tin	ppm	ASTM D5185m	>10	0	0	0
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	5	0	<1	0
Barium	ppm	ASTM D5185m	5	0	6	0
Molybdenum	ppm	ASTM D5185m	5	0	<1	0
Manganese	ppm	ASTM D5185m		0	0	0
Magnesium	ppm	ASTM D5185m	25	0	12	0
Calcium	ppm	ASTM D5185m	200	58	71	58
Phosphorus	ppm	ASTM D5185m	300	351	367	331
Zinc	ppm	ASTM D5185m	370	428	452	412
Sulfur	ppm	ASTM D5185m	2500	946	1056	972
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>20	0	0	<1
Sodium	ppm	ASTM D5185m		2	0	<1
Potassium	ppm	ASTM D5185m	>20	0	0	0
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>10000	e 13460	4 4796	▲ 30404
Particles >6µm		ASTM D7647	>2500	1335	▲ 5641	▲ 5374
Particles >14µm		ASTM D7647	>320	13	132	212
Particles >21µm		ASTM D7647	>80	1	29	47
Particles >38µm		ASTM D7647	>20	1	1	2
Particles >71µm		ASTM D7647	>4	0	0	0
Oil Cleanliness		ISO 4406 (c)	>20/18/15	<mark>)</mark> 21/18/11	▲ 23/20/14	2 2/20/15
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.57	0.38	0.49	0.42
:56:07) Rev: 2				Submitted By: AUSTIN GOUGH		

Report Id: HEIGRA [WUSCAR] 06234843 (Generated: 07/15/2024 12:56:07) Rev: 2

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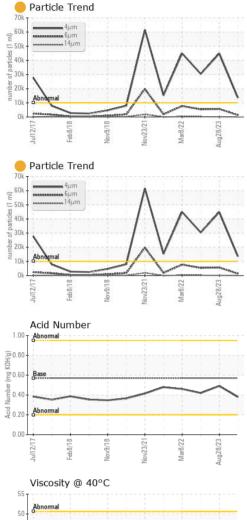
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-73 40

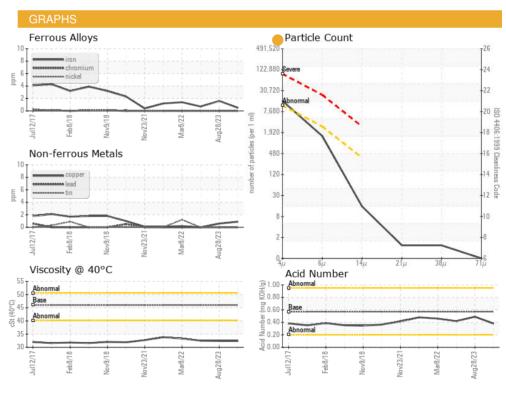
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OIL ANALYSIS REPORT



VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	LIGHT	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPERT	IES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	46	32.4	32.4	32.5
SAMPLE IMAGES	3	method	limit/base	current	history1	history2
Color						
Bottom						



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513 **HEIDTMAN STEEL** Sample No. : PTK0005298 10 NORTHGATE INDUSTRIAL DR Received : 12 Jul 2024 Lab Number : 06234843 Tested : 15 Jul 2024 GRANITE CITY, IL Unique Number : 11123677 Diagnosed : 15 Jul 2024 - Don Baldridge US 62040 Test Package : MOB 2 Contact: Rudy Villar Certificate 12367 To discuss this sample report, contact Customer Service at 1-800-237-1369. Rudy.Villar@Heidtman.com * - Denotes test methods that are outside of the ISO 17025 scope of accreditation. T: Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) F:

Report Id: HEIGRA [WUSCAR] 06234843 (Generated: 07/15/2024 12:56:07) Rev: 2

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eb 8/1

Submitted By: AUSTIN GOUGH Page 2 of 2