

OIL ANALYSIS REPORT

Sample Rating Trend



INSOLUBLES

Machine Id

Press #3 6561231

Component

Hydraulic System

KLUBER KLUBEROIL 4 UH1-46 N (251 GAL)

DIAGNOSIS

Recommendation

No corrective action is recommended at this time. The filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

MPC (Membrane Patch Colorimetry) test indicates a moderate concentration of varnish present. The amount and size of particulates present in the system are acceptable.

Fluid Condition

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

- /		r2019 Aug20	19 Jan2020 Jun2020	Nov2020 Apr2021 Sep2021 M	Mar2022	
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PTK0003165	PTK0003182	PTK0003172
Sample Date		Client Info		07 Sep 2022	08 Jul 2022	08 Jun 2022
Machine Age	hrs	Client Info		52173	50758	50172
Oil Age	hrs	Client Info		6901	5486	4900
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
Sample Status				ABNORMAL	MARGINAL	MARGINAL
CONTAMINATIO	N	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	7	2	2
Chromium	ppm	ASTM D5185m	>10	<1	0	0
Nickel	ppm	ASTM D5185m		0	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>10	<1	0	<1
Lead	ppm	ASTM D5185m	>10	<1	<1	0
Copper	ppm	ASTM D5185m	>75	<1	<1	0
Tin	ppm	ASTM D5185m	>10	<1	0	<1
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		0	0	<1
				0	0	0
Barium	ppm	ASTM D5185m		U	U	O .
Barium Molybdenum	ppm ppm	ASTM D5185m ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		0	0	0
Molybdenum Manganese	ppm	ASTM D5185m ASTM D5185m		0 <1	0	0 <1
Molybdenum Manganese Magnesium	ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m		0 <1 <1	0 0 2	0 <1 0
Molybdenum Manganese Magnesium Calcium	ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m		0 <1 <1 1	0 0 2 3	0 <1 0
Molybdenum Manganese Magnesium Calcium Phosphorus	ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m		0 <1 <1 <1 48	0 0 2 3 139	0 <1 0 0 130
Molybdenum Manganese Magnesium Calcium Phosphorus Zinc	ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	limit/base	0 <1 <1 <1 48 12	0 0 2 3 139 23	0 <1 0 0 130 23
Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur	ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	limit/base >20	0 <1 <1 1 48 12 40	0 0 2 3 139 23 56	0 <1 0 0 130 23 27
Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANT	ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m		0 <1 <1 <1 1 48 12 40 current	0 0 2 3 139 23 56 history1	0 <1 0 0 130 23 27 history2
Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS	ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m method ASTM D5185m		0 <1 <1 <1 1 48 12 40 current <1	0 0 2 3 139 23 56 history1	0 <1 0 0 130 23 27 history2 2
Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium	ppm	ASTM D5185m Method ASTM D5185m ASTM D5185m	>20	0	0 0 2 3 139 23 56 history1 3	0 <1 0 0 130 23 27 history2 2 0
Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium	ppm	ASTM D5185m	>20 >20	0 <1 <1 <1 <1 0 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1	0 0 2 3 139 23 56 history1 3 0 <1	0 <1 0 0 130 23 27 history2 2 0 0
Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium FLUID CLEANLII	ppm	ASTM D5185m	>20 >20	0	0 0 2 3 139 23 56 history1 3 0 <1	0 <1 0 0 130 23 27 history2 2 0 0 history2
Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium FLUID CLEANLIII Particles >4µm	ppm	ASTM D5185m method ASTM D5185m	>20 >20 limit/base	0	0 0 2 3 139 23 56 history1 3 0 <1 history1 582	0 <1 0 0 130 23 27 history2 2 0 0 history2 307
Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium FLUID CLEANLII Particles >4µm Particles >6µm	ppm	ASTM D5185m method ASTM D5185m	>20 >20 limit/base >2500 >320	0	0 0 2 3 139 23 56 history1 3 0 <1 history1 582 171	0 <1 0 0 130 23 27 history2 2 0 0 history2 307 137
Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium FLUID CLEANLII Particles >4µm Particles >14µm	ppm	ASTM D5185m Method ASTM D5185m ASTM D7647 ASTM D7647	>20 >20 limit/base >2500 >320	0	0 0 2 3 139 23 56 history1 3 0 <1 history1 582 171 28	0 <1 0 0 130 23 27 history2 2 0 0 history2 307 137 34
Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium FLUID CLEANLII Particles >4µm Particles >14µm Particles >21µm	ppm	ASTM D5185m method ASTM D5185m ASTM D7647 ASTM D7647 ASTM D7647	>20 >20 limit/base >2500 >320 >80 >20	0	0 0 2 3 139 23 56 history1 3 0 <1 history1 582 171 28	0 <1 0 0 130 23 27 history2 2 0 0 history2 307 137 34 13
Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium FLUID CLEANLII Particles >4µm Particles >6µm Particles >21µm Particles >38µm	ppm	ASTM D5185m Method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647	>20 >20 limit/base >2500 >320 >80 >20	0	0 0 2 3 139 23 56 history1 3 0 <1 history1 582 171 28 10 0	0 <1 0 0 130 23 27 history2 2 0 0 history2 307 137 34 13 1



OIL ANALYSIS REPORT







Certificate L2367

Laboratory Sample No. Lab Number **Unique Number**

: PTK0003165 : 05638507 : 10128037

: WearCheck USA - 501 Madison Ave., Cary, NC 27513

Recieved Diagnosed Diagnostician : Doug Bogart

: 12 Sep 2022 : 16 Sep 2022

Test Package : MOB 2 (Additional Tests: MPC) 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) T: (909)239-7599

NIAGARA BOTTLING

PLEASANT PRAIRIE, WI

11031 88TH AVE

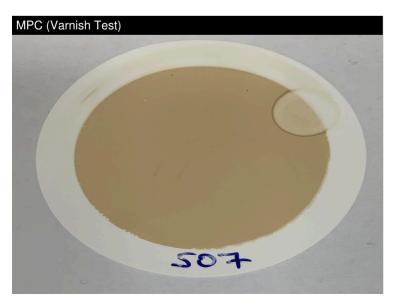
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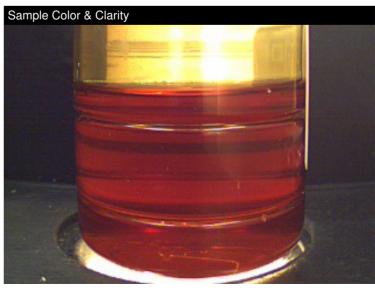
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Contact: AJ

Contact/Location: AJ? - NIAPLE

Report Id: NIAPLE [WUSCAR] 05638507 (Generated: 01/08/2024 16:03:51) Rev: 1





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