



OIL ANALYSIS REPORT

Sample Rating Trend



ISO



Machine Id
BENDER 5
 Component
Hydraulic System
 Fluid
NOT GIVEN (--- 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
 The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

SAMPLE INFORMATION

method	limit/base	current	history 1	history 2
Sample Number	Client Info	PTK0002988	---	---
Sample Date	Client Info	22 Dec 2022	---	---
Machine Age	hrs Client Info	0	---	---
Oil Age	hrs Client Info	0	---	---
Oil Changed	Client Info	N/A	---	---
Sample Status		ATTENTION	---	---

WEAR METALS

method	limit/base	current	history 1	history 2
Iron ppm ASTM D5185m	>20	0	---	---
Chromium ppm ASTM D5185m	>10	2	---	---
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	11	---	---
Tin ppm ASTM D5185m	>10	0	---	---
Vanadium ppm ASTM D5185m		0	---	---
Cadmium ppm ASTM D5185m		0	---	---

ADDITIVES

method	limit/base	current	history 1	history 2
Boron ppm ASTM D5185m		0	---	---
Barium ppm ASTM D5185m		0	---	---
Molybdenum ppm ASTM D5185m		0	---	---
Manganese ppm ASTM D5185m		0	---	---
Magnesium ppm ASTM D5185m		0	---	---
Calcium ppm ASTM D5185m		103	---	---
Phosphorus ppm ASTM D5185m		544	---	---
Zinc ppm ASTM D5185m		705	---	---
Sulfur ppm ASTM D5185m		3086	---	---

CONTAMINANTS

method	limit/base	current	history 1	history 2
Silicon ppm ASTM D5185m	>20	2	---	---
Sodium ppm ASTM D5185m		0	---	---
Potassium ppm ASTM D5185m	>20	0	---	---

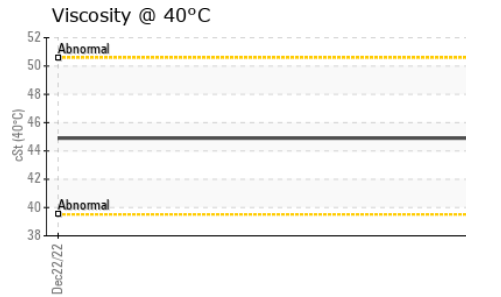
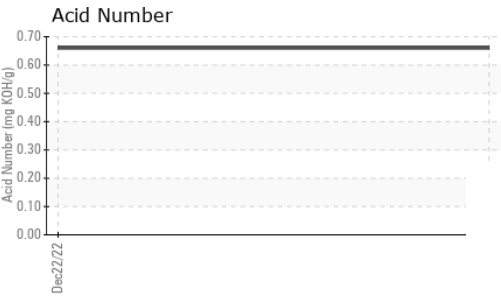
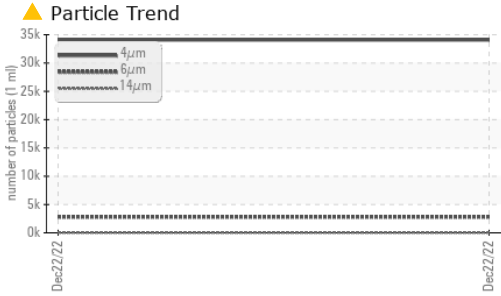
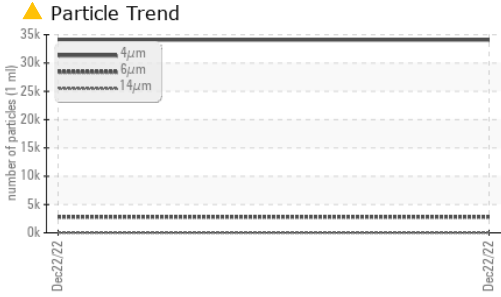
FLUID CLEANLINESS

method	limit/base	current	history 1	history 2
Particles >4µm ASTM D7647		34082	---	---
Particles >6µm ASTM D7647	>2500	▲ 2806	---	---
Particles >14µm ASTM D7647	>320	39	---	---
Particles >21µm ASTM D7647	>80	5	---	---
Particles >38µm ASTM D7647	>20	0	---	---
Particles >71µm ASTM D7647	>4	0	---	---
Oil Cleanliness ISO 4406 (c)	>--/18/15	▲ 22/19/12	---	---

FLUID DEGRADATION

method	limit/base	current	history 1	history 2
Acid Number (AN) mg KOH/g ASTM D8045		0.66	---	---

OIL ANALYSIS REPORT



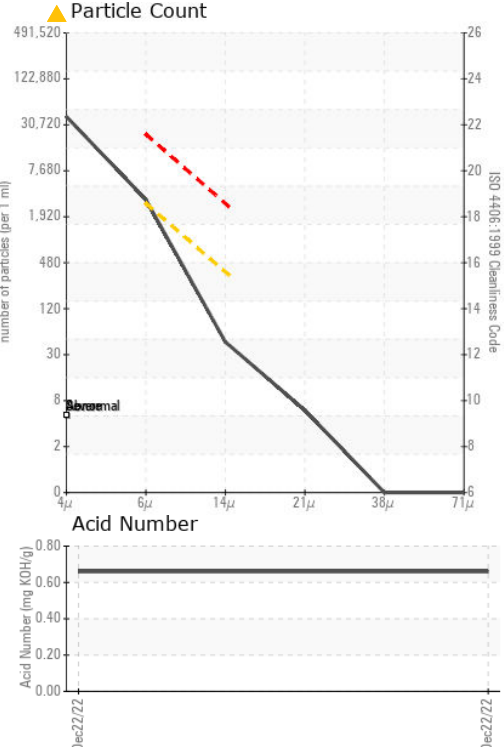
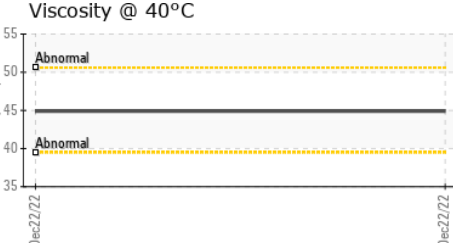
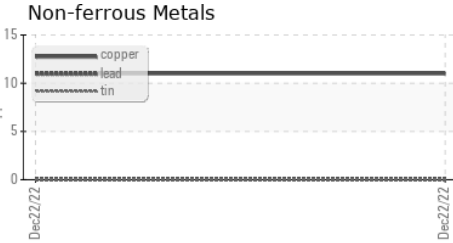
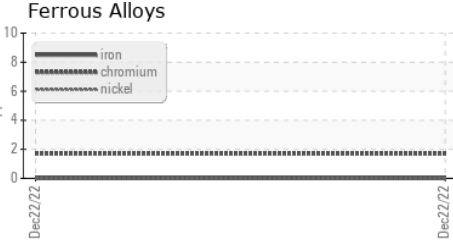
VISUAL	method	limit/base	current	history 1	history 2
White Metal	scalar	*Visual	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	---
Silt	scalar	*Visual	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.1	NEG	---
Free Water	scalar	*Visual		NEG	---

FLUID PROPERTIES	method	limit/base	current	history 1	history 2
Visc @ 40°C	cSt	ASTM D445	44.9	---	---

SAMPLE IMAGES	method	limit/base	current	history 1	history 2
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Color		no image	no image
Bottom		no image	no image

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PTK0002988 **Received** : 03 Jan 2023
Lab Number : 05729323 **Diagnosed** : 04 Jan 2023
Unique Number : 10273904 **Diagnostician** : Doug Bogart
Test Package : MOB 2

LIFE FITNESS
 14150 SUNFISH LAKE BLVE
 RAMSEY, MN
 US 55303
 Contact: Service Manager

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)