



PROBLEM SUMMARY

Sample Rating Trend



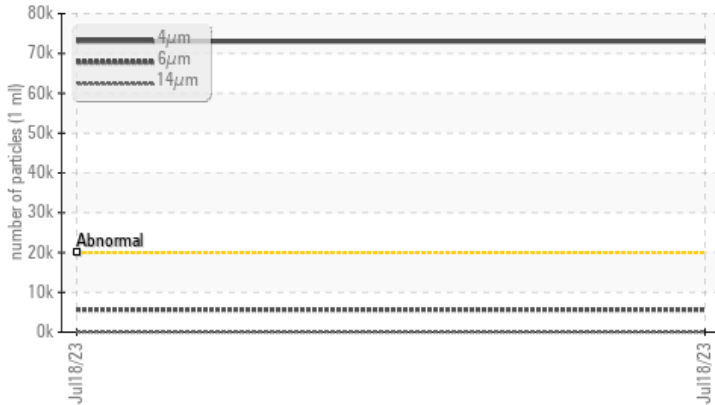
ISO



Machine Id
DURACLEAR 17
Component
Gearbox
Fluid
DURACLEAR 17 (--- GAL)

COMPONENT CONDITION SUMMARY

▲ Particle Trend



RECOMMENDATION

We recommend you service the filters on this component if applicable. Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS

Sample Status			ABNORMAL	---	---
Particles >4µm	ASTM D7647	>20000	▲ 73028	---	---
Particles >6µm	ASTM D7647	>5000	▲ 5638	---	---
Oil Cleanliness	ISO 4406 (c)	>21/19/16	▲ 23/20/14	---	---

Customer Id: MECSIG
Sample No.: FSV0000061
Lab Number: 05902271
Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data:
Don Baldrige +1
don.b505@comcast.net

To change component or sample information:
Customer Service +1 1-800-237-1369
customerservice@wearcheck.com

RECOMMENDED ACTIONS

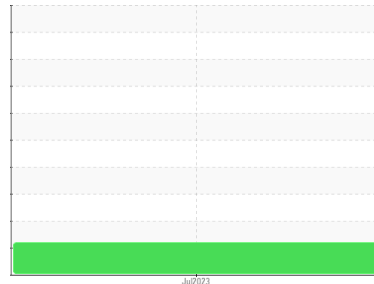
Action	Status	Date	Done By	Description
Change Filter	---	---	?	We recommend you service the filters on this component if applicable.

HISTORICAL DIAGNOSIS



OIL ANALYSIS REPORT

Sample Rating Trend



ISO

Machine Id
DURACLEAR 17
 Component
Gearbox
 Fluid
DURACLEAR 17 (--- GAL)

DIAGNOSIS

▲ Recommendation

We recommend you service the filters on this component if applicable. Resample at the next service interval to monitor.

Wear

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

The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service.

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	FSV0000061	---	---
Sample Date	Client Info	18 Jul 2023	---	---
Machine Age	hrs	Client Info	0	---
Oil Age	hrs	Client Info	0	---
Oil Changed	Client Info	N/A	---	---
Sample Status		ABNORMAL	---	---

WEAR METALS

method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >200	<1	---
Chromium	ppm	ASTM D5185m >15	1	---
Nickel	ppm	ASTM D5185m >15	0	---
Titanium	ppm	ASTM D5185m	0	---
Silver	ppm	ASTM D5185m	0	---
Aluminum	ppm	ASTM D5185m >25	1	---
Lead	ppm	ASTM D5185m >100	<1	---
Copper	ppm	ASTM D5185m >200	<1	---
Tin	ppm	ASTM D5185m >25	4	---
Vanadium	ppm	ASTM D5185m	0	---
Cadmium	ppm	ASTM D5185m	0	---

ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	---
Barium	ppm	ASTM D5185m	0	---
Molybdenum	ppm	ASTM D5185m	0	---
Manganese	ppm	ASTM D5185m	0	---
Magnesium	ppm	ASTM D5185m	<1	---
Calcium	ppm	ASTM D5185m	59	---
Phosphorus	ppm	ASTM D5185m	317	---
Zinc	ppm	ASTM D5185m	501	---
Sulfur	ppm	ASTM D5185m	988	---

CONTAMINANTS

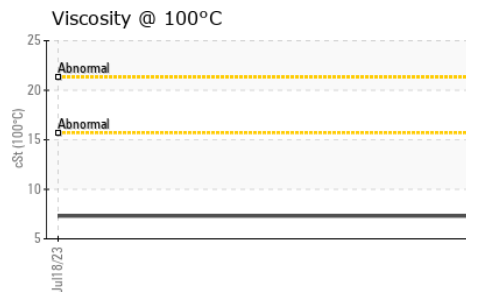
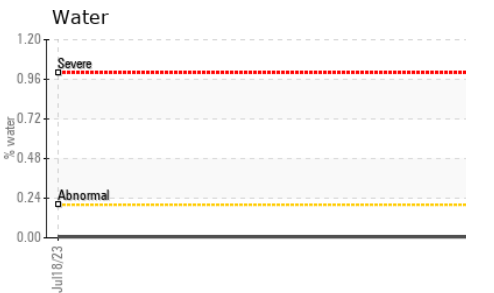
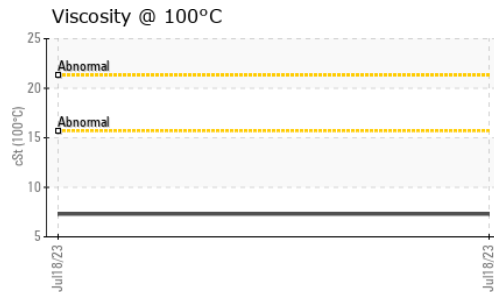
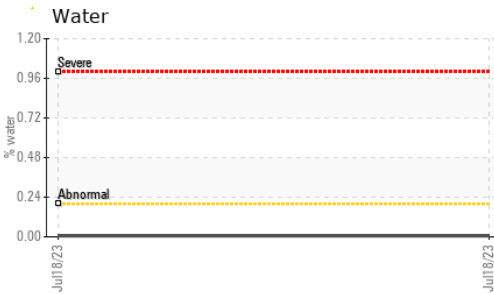
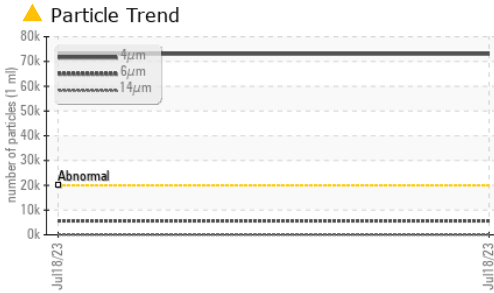
method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >50	17	---
Sodium	ppm	ASTM D5185m	0	---
Potassium	ppm	ASTM D5185m >20	<1	---
Water	%	ASTM D6304 >0.2	0.006	---
ppm Water	ppm	ASTM D6304 >2000	67.2	---

FLUID CLEANLINESS

method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647 >20000	▲ 73028	---	---
Particles >6µm	ASTM D7647 >5000	▲ 5638	---	---
Particles >14µm	ASTM D7647 >640	91	---	---
Particles >21µm	ASTM D7647 >160	13	---	---
Particles >38µm	ASTM D7647 >40	0	---	---
Particles >71µm	ASTM D7647 >10	0	---	---
Oil Cleanliness	ISO 4406 (c) >21/19/16	▲ 23/20/14	---	---

FLUID DEGRADATION

method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.42	---

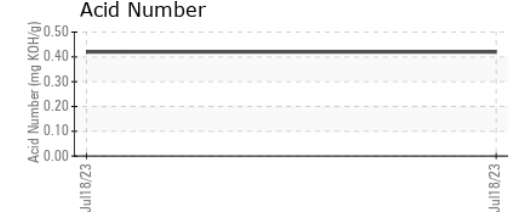
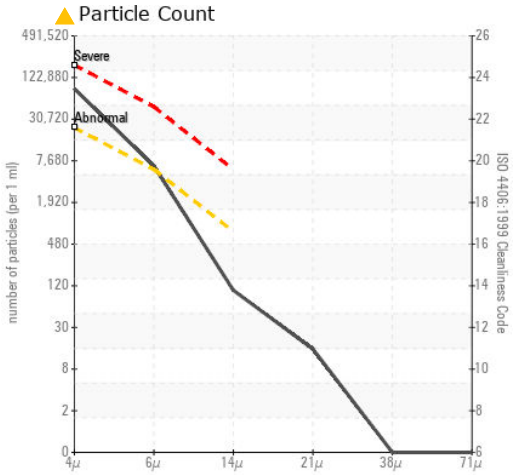
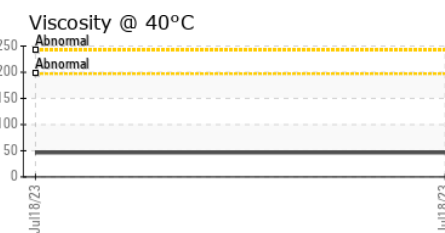
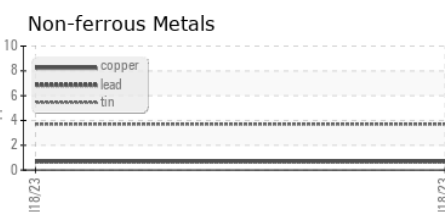
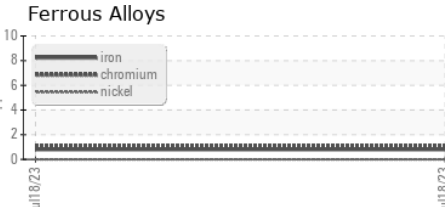


VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	---
Silt	scalar	*Visual	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.2	NEG	---
Free Water	scalar	*Visual		NEG	---

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	46.4	---	---
Visc @ 100°C	cSt	ASTM D445	7.3	---	---
Viscosity Index (VI)	Scale	ASTM D2270	118	---	---

SAMPLE IMAGES	method	limit/base	current	history1	history2
Color				no image	no image
Bottom				no image	no image

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : FSV0000061 **Received** : 19 Jul 2023
Lab Number : 05902271 **Diagnosed** : 21 Jul 2023
Unique Number : 10563627 **Diagnostician** : Don Baldrige
Test Package : IND 2 (Additional Tests: KF, KV100, PrtCount, VI)

MECHANICAL SEAL REPAIR
 3188 ORANGE AVE
 SIGNAL HILL, CA
 US 90755
 Contact: Service Manager

Certificate L2367
 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)