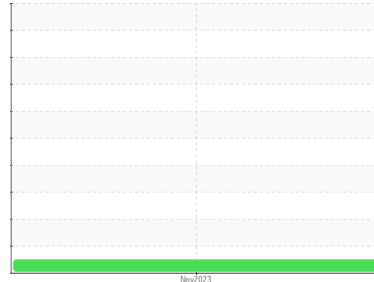


# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Machine Id  
**DLG 145P HT 1 (S/N 50544-1)**  
 Component  
**Heat Transfer Fluid**  
 Fluid  
**ERGON HYGOLD L500 (--- GAL)**

**DIAGNOSIS**

**Recommendation**  
 Resample at the next service interval to monitor.

**Wear**  
 All component wear rates are normal.

**Contamination**  
 There is no indication of any contamination in the fluid. 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 fluid is suitable for further service.

**SAMPLE INFORMATION**    method    limit/base    current    history1    history2

Sample Number	Client Info		<b>TO10002583</b>	---	---
Sample Date	Client Info		<b>01 Nov 2023</b>	---	---
Machine Age	hrs	Client Info	<b>12513</b>	---	---
Oil Age	hrs	Client Info	<b>12513</b>	---	---
Oil Changed	Client Info		<b>Not Changed</b>	---	---
Sample Status			<b>NORMAL</b>	---	---

**WEAR METALS**    method    limit/base    current    history1    history2

Iron	ppm	ASTM D5185m	>200	<b>&lt;1</b>	---	---
Chromium	ppm	ASTM D5185m	>21	<b>0</b>	---	---
Nickel	ppm	ASTM D5185m	>21	<b>0</b>	---	---
Titanium	ppm	ASTM D5185m	>21	<b>0</b>	---	---
Silver	ppm	ASTM D5185m	>21	<b>0</b>	---	---
Aluminum	ppm	ASTM D5185m	>21	<b>0</b>	---	---
Lead	ppm	ASTM D5185m	>21	<b>0</b>	---	---
Copper	ppm	ASTM D5185m	>21	<b>0</b>	---	---
Tin	ppm	ASTM D5185m	>21	<b>0</b>	---	---
Vanadium	ppm	ASTM D5185m		<b>0</b>	---	---
Cadmium	ppm	ASTM D5185m		<b>0</b>	---	---

**ADDITIVES**    method    limit/base    current    history1    history2

Boron	ppm	ASTM D5185m		<b>0</b>	---	---
Barium	ppm	ASTM D5185m		<b>0</b>	---	---
Molybdenum	ppm	ASTM D5185m		<b>0</b>	---	---
Manganese	ppm	ASTM D5185m		<b>0</b>	---	---
Magnesium	ppm	ASTM D5185m		<b>0</b>	---	---
Calcium	ppm	ASTM D5185m		<b>0</b>	---	---
Phosphorus	ppm	ASTM D5185m		<b>0</b>	---	---
Zinc	ppm	ASTM D5185m		<b>0</b>	---	---
Sulfur	ppm	ASTM D5185m	432	<b>486</b>	---	---

**CONTAMINANTS**    method    limit/base    current    history1    history2

Silicon	ppm	ASTM D5185m	>25	<b>0</b>	---	---
Sodium	ppm	ASTM D5185m	>21	<b>3</b>	---	---
Potassium	ppm	ASTM D5185m	>20	<b>0</b>	---	---
Water	%	ASTM D6304	>0.0601	<b>0.008</b>	---	---
ppm Water	ppm	ASTM D6304	>601	<b>83.1</b>	---	---

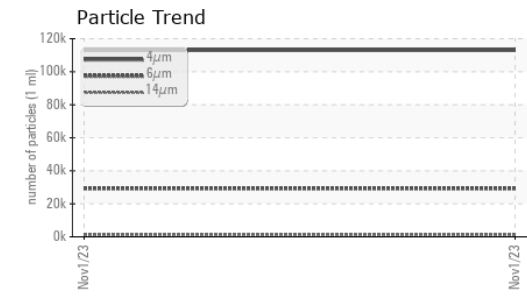
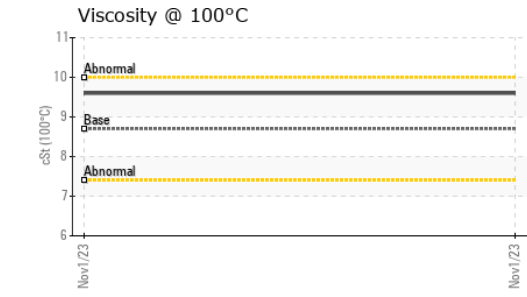
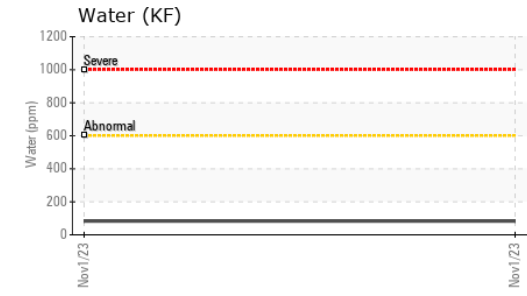
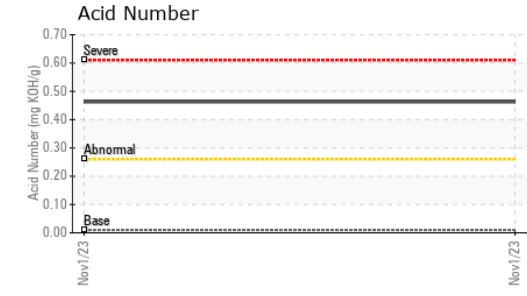
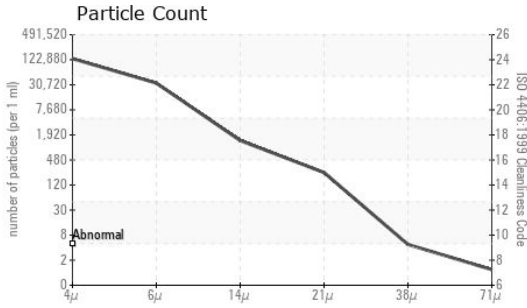
**FLUID CLEANLINESS**    method    limit/base    current    history1    history2

Particles >4µm		ASTM D7647		<b>113023</b>	---	---
Particles >6µm		ASTM D7647	>10240000	<b>29300</b>	---	---
Particles >14µm		ASTM D7647	>10240000	<b>1232</b>	---	---
Particles >21µm		ASTM D7647	>2560000	<b>211</b>	---	---
Particles >38µm		ASTM D7647	>640000	<b>4</b>	---	---
Particles >71µm		ASTM D7647	>160000	<b>1</b>	---	---
Oil Cleanliness		ISO 4406 (c)	>--/30/30	<b>24/22/17</b>	---	---

**FLUID DEGRADATION**    method    limit/base    current    history1    history2

Acid Number (AN)	mg KOH/g	ASTM D8045	0.01	<b>0.463</b>	---	---
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# OIL ANALYSIS REPORT



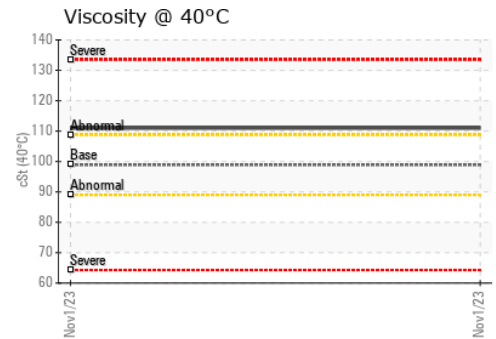
VISUAL	method	limit/base	current	history1	history2	
White Metal	scalar	*Visual	NONE	<b>NONE</b>	---	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	---	---
Precipitate	scalar	*Visual	NONE	<b>NONE</b>	---	---
Silt	scalar	*Visual	NONE	<b>NONE</b>	---	---
Debris	scalar	*Visual	NONE	<b>NONE</b>	---	---
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	---	---
Appearance	scalar	*Visual	NORML	<b>NORML</b>	---	---
Odor	scalar	*Visual	NORML	<b>NORML</b>	---	---
Emulsified Water	scalar	*Visual	>0.0601	<b>NEG</b>	---	---
Free Water	scalar	*Visual		<b>NEG</b>	---	---

FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D445	98.9	<b>111</b>	---	---
Visc @ 100°C	cSt	ASTM D445	8.7	<b>9.6</b>	---	---
Viscosity Index (VI)	Scale	ASTM D2270	35	<b>44</b>	---	---

SAMPLE IMAGES	method	limit/base	current	history1	history2
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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.** : TO10002583 **Received** : 06 Nov 2023  
**Lab Number** : 05999041 **Diagnosed** : 08 Nov 2023  
**Unique Number** : 10727401 **Diagnostician** : Jonathan Hester  
**Test Package** : IND 2 ( Additional Tests: KF, KV100, PrtCount, VI )

**ERGON - BAINBRIDGE**  
 1601 SPRING CREEK RD  
 BAINBRIDGE, GA  
 US 39817  
 Contact: BUDDY MERRITT  
 Edwin.Merritt@ergon.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)