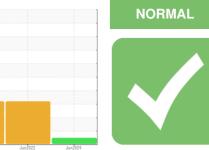


OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id **E-156** Component **Right Final Drive** Fluid **PHILLIPS 80W90 (--- GAL)**

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor. Please specify the component make and model with your next sample.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

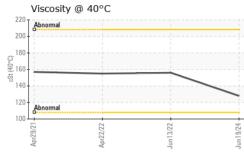
Fluid Condition

The condition of the oil is acceptable for the time in service.

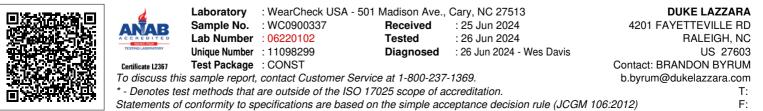
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0900337	WC0663509	WC0663490
Sample Date		Client Info		19 Jun 2024	13 Jun 2022	22 Apr 2022
Machine Age	hrs	Client Info		8547	5667	5353
Oil Age	hrs	Client Info		559	1232	918
Oil Changed		Client Info		Changed	Changed	Not Changd
Sample Status				NORMAL	ABNORMAL	ABNORMAL
CONTAMINATION	1	method	limit/base	current	history1	history2
Water		WC Method	>0.2	NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>500	288	5 39	182
Chromium	ppm	ASTM D5185m	>10	<1	3	1
Nickel	ppm	ASTM D5185m	>10	0	1	0
Titanium	ppm	ASTM D5185m		<1	3	2
Silver	ppm	ASTM D5185m		0	<1	<1
Aluminum	ppm	ASTM D5185m	>25	5	40	25
Lead	ppm	ASTM D5185m	>25	0	<1	<1
Copper	ppm	ASTM D5185m	>50	<1	1	<1
Tin	ppm	ASTM D5185m	>10	0	<1	<1
Antimony	ppm	ASTM D5185m	>5			
Vanadium	ppm	ASTM D5185m		0	<1	0
Cadmium	ppm	ASTM D5185m		0	<1	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		2	5	5
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		<1	1	1
Manganese	ppm	ASTM D5185m		1	4	2
Magnesium	ppm	ASTM D5185m		5	13	10
Calcium	ppm	ASTM D5185m		73	2347	2588
Phosphorus	ppm	ASTM D5185m		372	855	942
Zinc	ppm	ASTM D5185m		86	1013	1080
Sulfur	ppm	ASTM D5185m		13804	6898	6441
CONTAMINANTS	le le	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m		40		▲ 101
Sodium	ppm	ASTM D5185m		<1	2	2
Potassium	ppm	ASTM D5185m	>20	2	4	2
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	LIGHT	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	A HEAVY
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	>0.2	NEG	NEG	NEG
Free Water	scalar	*Visual	- (RUMNERUKRAL
				-		Page 1 of 2



OIL ANALYSIS REPORT



Visc @ 40°C	cSt	ASTM D445		128	history1 156	histor 155
SAMPLE IMAGE	ES	method	limit/base	current	history1	histo
Color				no image	no image	no ima
Bottom				no image	no image	no ima
GRAPHS						
Ferrous Alloys						
50 00 iron		\wedge				
50 - chromium						
10	/					
	/					
0	/					
00						
50 -						
22 22		/22	/24			
Apr29/21 Apr22/22		Jun13/22	Jun 19/24			
Non-ferrous Meta	als					
¹⁰ T						
9 - copper						
8						
6						
5						
4						
3						
1						
Apr29/21 Apr22/22		Jun 13/22	Jun 19/24			
		ηn	ηΓ			
Viscosity @ 40°C						
10 -						
90 -						
30						
50 -						
50 + 50 +						
+0 -						
80 - 20 -						
0 - Abnormal						
10		2	+			
Apr29/21 Apr22/22		Jun 13/22	Jun 19/24			
12 L2						



Contact/Location: BRANDON BYRUM - DUKRAL

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