

OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id WL-5 Component Front Differential Fluid {not provided} (--- GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

Fluid Condition

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

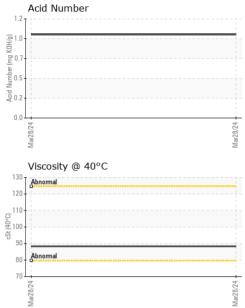
SAMPLE INFORM	NATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KFS0003948		
Sample Date		Client Info		28 Mar 2024		
Machine Age	hrs	Client Info		6997		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				NORMAL		
CONTAMINATIO	N	method	limit/base	current	history1	history2
Water		WC Method	>.2	NEG		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>500	46		
Chromium	ppm	ASTM D5185m	>10	0		
Nickel	ppm	ASTM D5185m	>10	<1		
Titanium	ppm	ASTM D5185m		0		
Silver	ppm	ASTM D5185m		0		
Aluminum	ppm	ASTM D5185m	>25	2		
Lead	ppm	ASTM D5185m	>25	1		
Copper	ppm	ASTM D5185m	>100	0		
Tin	ppm	ASTM D5185m	>10	<1		
Vanadium	ppm	ASTM D5185m		<1		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		6		
Barium	ppm	ASTM D5185m		0		
Molybdenum	ppm	ASTM D5185m		1		
Manganese	ppm	ASTM D5185m		<1		
Magnesium	ppm	ASTM D5185m		14		
Calcium	ppm	ASTM D5185m		3266		
Phosphorus	ppm	ASTM D5185m		911		
Zinc	ppm	ASTM D5185m		1076		
Sulfur	ppm	ASTM D5185m		3953		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>75	8		
Sodium	ppm	ASTM D5185m		<1		
Potassium	ppm	ASTM D5185m	>20	1		
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		1.01		

Report Id: HARCOLTN [WUSCAR] 06139339 (Generated: 04/05/2024 15:40:10) Rev: 1



OIL ANALYSIS REPORT

VISUAL



	White Metal Yellow Metal	scalar scalar	*Visual *Visual	NONE NONE	NONE NONE		
		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		
- 24	Appearance	scalar	*Visual	NORML	NORML		
Mar28/24	Odor	scalar	*Visual	NORML	NORML		
2	Emulsified Water	scalar	*Visual	>.2	NEG		
	Free Water		*Visual	>.८	NEG		
	Free water	scalar	visual		NEG		
	FLUID PROPERT	IES	method	limit/base	current	history1	history2
	Visc @ 40°C	cSt	ASTM D445		88.3		
	SAMPLE IMAGES	\$	method	limit/base	current	history1	history2
	Color				no image	no image	no image
Mar28/24					_		-
	Bottom				no image	no image	no image
	GRAPHS						
	Iron (ppm)				Lead (ppm)		
	2000 Severe			15	⁵⁰ T .		
E	1000 -			E ¹⁰)0 - Severe		
	Abnormal			<u>с</u>	Abnormai		
	24			24	24 10		
	Mar28/24			Mar28/24	Mar28/24		
				2			
	Aluminum (ppm)				Chromium (µ ³⁰ ⊺ Severe	эртт)	
				udd	20		
	⁵⁰ Abnormal			đ	0 - Abnormal		
	0			4	0		
	Mar28/24			Mar28/24	Mar28/24		
	—			Ma			:
	Copper (ppm)			20	Silicon (ppm))	
	300 200 Severe			20	Severe		
	E 200 Abnormal			E 10	1		
	0				0		
	Mar28/24			Mar28/24	Mar28/24		
	Mar			Mar	Mari		
	Viscosity @ 40°C			(B/H	Acid Number		
1	200 Abnormal			/24	.5		
	있는 Honormal 정			E1	.01		
č	3			N n			
	8/24			8/24 -	8/24		
	Mar28/24			Mar28/24 Aci	Mar28/24		
Sample No. Lab Number Unique Number Test Package	: 10964147	Recei Teste Diagn	ved : 04 d : 05 iosed : 05	Apr 2024 Apr 2024 Apr 2024 - V		55 N JAMES CA (Contact: E	HARNESS LL MPBELL BLV COLUMBIA, TI US 3840 BEN HARNES actharness.cor

Report Id: HARCOLTN [WUSCAR] 06139339 (Generated: 04/05/2024 15:40:10) Rev: 1

Contact/Location: BEN HARNESS - HARCOLTN