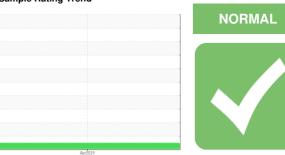


OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

HUNDAI LB-57

Rear Differential

FACTORY FILL 75W85 (--- GAL)

DIAGNOSIS

Recommendation

The oil change at the time of sampling has been noted. 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 oil.

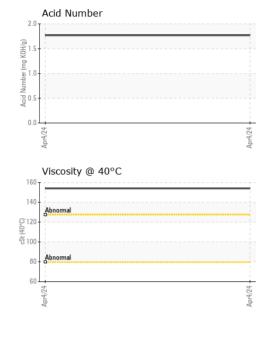
Fluid Condition

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

SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0110042		
Sample Date		Client Info		04 Apr 2024		
Machine Age	hrs	Client Info		160		
Oil Age	hrs	Client Info		160		
Oil Changed		Client Info		Changed		
Sample Status				NORMAL		
CONTAMINAT	ION	method	limit/base	current	history1	history2
Water		WC Method	>.2	NEG		
WEAR METAL	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>500	67		
Chromium	ppm	ASTM D5185m	>10	<1		
Nickel	ppm	ASTM D5185m	>10	<1		
Titanium	ppm	ASTM D5185m		0		
Silver	ppm	ASTM D5185m		0		
Aluminum	ppm	ASTM D5185m	>25	0		
Lead	ppm	ASTM D5185m	>25	0		
Copper	ppm	ASTM D5185m	>100	5		
Tin	ppm	ASTM D5185m	>10	0		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		<1		
Barium	ppm	ASTM D5185m		0		
Molybdenum	ppm	ASTM D5185m		0		
Manganese	ppm	ASTM D5185m		2		
Magnesium	ppm	ASTM D5185m		2		
Calcium	ppm	ASTM D5185m		23		
Phosphorus	ppm	ASTM D5185m		834		
Zinc	ppm	ASTM D5185m		<1		
Sulfur	ppm	ASTM D5185m		26930		
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>75	<1		
Sodium	ppm	ASTM D5185m		4		
Potassium	ppm	ASTM D5185m	>20	3		
FLUID DEGRAD	OATION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		1.77		



OIL ANALYSIS REPORT



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	MODER		
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	>.2	NEG		
Free Water	scalar	*Visual		NEG		
FLUID PROPE	RTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445		154		
SAMPLE IMAG	BES	method	limit/base	current	history1	history2
Color					no image	no image
Bottom					no image	no image
GRAPHS						
Iron (ppm)				Lead (ppm)		
Severe		150	Severe			
Abnormal			Ē ¹⁰⁰			***************************************
0				Abnormal		
Apr4/24			Apr4/24	Apr4/24		
			Ø		nm)	
Aluminum (ppm)			30	Chromium (pp		
0 Severe			E 20	o 4 - T		
Abnormal			B ₁₀	Abnormal		
0				24		
Apr4/24			Apr4/24	Apr4/24		
Copper (ppm)				Silicon (ppm)		
Severe			300	Course		
Abnormal			E 200	Abnormal		
0			_	Abnormal		
Apr4/24			Apr4/24	Apr4/24		
Арт			Apr	Арт		
Viscosity @ 40°C			(B/HOX)	Acid Number		
0,)		





Certificate 12367

Laboratory Sample No. Lab Number : 06223607 Unique Number : 11101804

: PCA0110042

Test Package : MOB 2

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 28 Jun 2024

Tested : 01 Jul 2024 Diagnosed

: 01 Jul 2024 - Don Baldridge

WEYMOUTH, MA US 02189 Contact: PAUL MOGAN lbstone611@comcast.net

611 PLEASANT ST

T: (781)331-5379

LORUSSO BRISTOL STONE CORP

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)

F: (781)337-8274 Contact/Location: PAUL MOGAN - LORWEYMA