

OIL ANALYSIS REPORT

Area NOT IN UNIT LIST/Fremont TC 98139

Gasoline Engine Fluid AG 5W20 (--- GAL)

DIAGNOSIS

Recommendation

We advise that you check for the source of the coolant leak. Check for low coolant level. Oil and filter change at the time of sampling has been noted. We recommend an early resample to monitor this condition.

Wear

All component wear rates are normal.

Contamination

Sodium and/or potassium levels are high.

Fluid Condition

The BN result indicates that there is suitable alkalinity remaining in the oil.

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		L		May2024		
SAMPLE INFORM	ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		SBP0007028		
Sample Date		Client Info		06 May 2024		
Machine Age	mls	Client Info		129522		
Oil Age	mls	Client Info		129522		
Oil Changed		Client Info		Changed		
Sample Status				ABNORMAL		
CONTAMINATION	N	method	limit/base	current	history1	history2
Fuel		WC Method	>4.0	<1.0		
Water		WC Method	>0.2	NEG		
WEAR METALS		method	limit/baco	current	history1	history2
,			- Inniv Dase	current	history	mistory2
Iron	ppm	ASTM D5185m	>150	45		
Chromium	ppm		>20	2		
NICKEI	ppm	ASTM D5105m	>5	<1		
Cilver	ppm		0	0		
Aluminum	ppm	ASTM D5185m	>2	0		
Lood	ppm	ASTM D5105m	>40	0		
Copper	ppm	ASTM D5185m	>50	16		
Tin	ppm	ASTM D5185m	>10	0		
Vanadium	nnm	ASTM D5185m	>10	۰ د1		
Cadmium	ppm	ASTM D5185m		0		
	I- I-	method	limit/base	current	history1	history2
Deren		ACTM DE105m		-	motory	motory
Boron	ppm	ASTM D5185m		1		
Danum	ppm	AGTM DE105m		104		
Mongonooo	ppm	AGTM D5105m		104		
Manganese	ppm	ASTM D5185m		630		
Calcium	nnm	ASTM D5185m		1173		
Phosphorus	nnm	ASTM D5185m		752		
Zinc	ppm	ASTM D5185m		861		
Sulfur	ppm	ASTM D5185m		3128		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>30	18		
Sodium	mag	ASTM D5185m	>400	▲ 111		
Potassium	ppm	ASTM D5185m	>20	7 9		
Glycol	%	*ASTM D2982		NEG		
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844		0.1		
Nitration	Abs/cm	*ASTM D7624	>20	10.2		
Sulfation	Abs/.1mm	*ASTM D7415	>30	22.0		
		metheod	line it /le	-	history of	history 0
FLUID DEGRADA	TION	method	limit/base	current	nistory1	nistory2
Oxidation	Abs/.1mm	*ASTM D7414	>25	15.9		
Base Number (BN)	mg KOH/g	ASTM D2896		3.8		

Sample Rating Trend

GLYCOL



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