

OIL ANALYSIS REPORT

Sample Rating Trend







Machine Id 7827 Componer Diesel Fluid PETRO

7827M
Component
Diesel Engine
Fluid

PETRO CANADA DURON SHP 15W40 (--- 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 oil

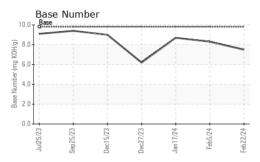
Fluid Condition

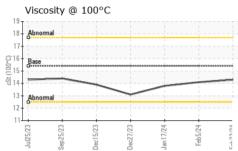
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

		Jul2023	Sepzuzs Deczuzs	Dec2023 Jan2024 Feb2024	Feb2024		
SAMPLE INFOR	RMATION	method	limit/base	current	history1	history2	
Sample Number		Client Info		GFL0110143	GFL0110160	GFL0109976	
Sample Date		Client Info		22 Feb 2024	05 Feb 2024	17 Jan 2024	
Machine Age	hrs	Client Info		85965	6644	84493	
Oil Age	hrs	Client Info		85965	600	0	
Oil Changed		Client Info		Changed	Not Changd	Changed	
Sample Status				NORMAL	NORMAL	NORMAL	
CONTAMINA [*]	TION	method	limit/base	current	history1	history2	
Fuel		WC Method	>3.0	<1.0	<1.0	<1.0	
Water		WC Method	>0.2	NEG	NEG	NEG	
Glycol		WC Method		NEG	NEG	NEG	
WEAR META	LS	method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185m	>90	20	18	10	
Chromium	ppm	ASTM D5185m	>20	2	<1	<1	
Nickel	ppm	ASTM D5185m	>2	_ <1	<1	0	
Titanium	ppm	ASTM D5185m	>2	<1	<1	0	
Silver	ppm	ASTM D5185m	>2	0	0	0	
Aluminum	ppm	ASTM D5185m	>20	4	4	2	
Lead	ppm	ASTM D5185m	>40	<1	<1	0	
Copper	ppm	ASTM D5185m	>330	2	2	<1	
Tin		ASTM D5185m	>15	<1	<1	0	
Vanadium	ppm	ASTM D5185m	>10	<1 <1	0	0	
	ppm						
Cadmium	ppm	ASTM D5185m		<1	<1	0	
ADDITIVES		method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185m	0	1	1	2	
Barium	ppm	ASTM D5185m	0	34	<1	0	
Molybdenum	ppm	ASTM D5185m	60	61	58	54	
Manganese	ppm	ASTM D5185m	0	<1	<1	<1	
Magnesium	ppm	ASTM D5185m	1010	914	903	890	
Calcium	ppm	ASTM D5185m	1070	988	1033	1022	
Phosphorus	ppm	ASTM D5185m	1150	991	1006	852	
Zinc	ppm	ASTM D5185m	1270	1228	1196	1103	
Sulfur	ppm	ASTM D5185m	2060	3274	3205	2767	
CONTAMINA	NTS	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m	>25	6	8	4	
Sodium	ppm	ASTM D5185m		5	0	3	
Potassium	ppm	ASTM D5185m	>20	4	5	<1	
INFRA-RED		method	limit/base	current	history1	history2	
Soot %	%	*ASTM D7844	>6	0.4	0.4	0.3	
Nitration	Abs/cm	*ASTM D7624	>20	8.8	8.7	7.5	
Sulfation	Abs/.1mm	*ASTM D7415	>30	19.4	19.0	18.6	
FLUID DEGRADATION method limit/base current history1 history2							
Oxidation	Abs/.1mm	*ASTM D7414	>25	15.8	15.7	15.2	
Base Number (BN)		ASTM D2896		7.5	8.3	8.7	
Dago Namber (DIV)	mg Norrg	7.0 TW D2000	0.0	1.0	0.0	0.7	



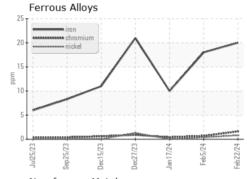
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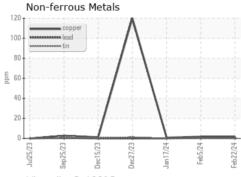


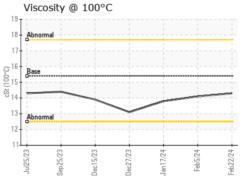


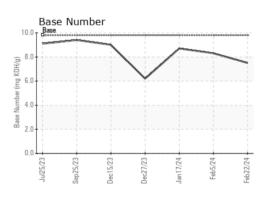
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	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		NEG	NEG	NEG

FLUID PROP	PERTIES	method				history2
Visc @ 100°C	cSt	ASTM D445	15.4	14.3	14.1	13.8













Laboratory Sample No.

Lab Number : 06099878 Unique Number: 10898108 Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : GFL0110143 Received : 26 Feb 2024 **Tested**

Diagnosed

: 27 Feb 2024 : 27 Feb 2024 - Wes Davis

GFL Environmental - 410 - Michigan West

39000 Van Born Rd Wayne, MI US 48184

Contact: Belal Dgheish bdgheish@gflenv.com

T: (734)714-2340

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)

Report Id: GFL410 [WUSCAR] 06099878 (Generated: 02/27/2024 09:40:31) Rev: 1

Submitted By: seel also GFL468 - Laura Wilson