

Machine Id
DURON HP 15W40

Component
New (Unused) Oil

Fluid
PETRO CANADA DURON HP 15W40 (--- GAL)

DIAGNOSIS

Recommendation

Il s'agit du relevé de base de cette huile neuve (inutilisée). Le fluide peut servir.

Wear

{sans objet}

Contamination

Il n'y a aucun indice de contamination dans le huile (inutilisée) neuve.

Fluid Condition

L'état de l'huile permet d'en l'utilisation.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		PC0058924	PC0058916	PC977380
Sample Date	Client Info		26 Jul 2023	26 Jul 2023	31 Mar 2021
Machine Age	hrs	Client Info	0	0	0
Oil Age	hrs	Client Info	0	0	0
Oil Changed	Client Info		N/A	N/A	N/A
Sample Status			NORMAL	---	NORMAL

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	<1	<1	<1
Chromium	ppm	ASTM D5185(m)	0	0	0
Nickel	ppm	ASTM D5185(m)	0	0	0
Titanium	ppm	ASTM D5185(m)	0	0	0
Silver	ppm	ASTM D5185(m)	<1	<1	0
Aluminum	ppm	ASTM D5185(m)	<1	1	1
Lead	ppm	ASTM D5185(m)	0	<1	0
Copper	ppm	ASTM D5185(m)	1	<1	<1
Tin	ppm	ASTM D5185(m)	0	0	0
Antimony	ppm	ASTM D5185(m)	0	0	0
Vanadium	ppm	ASTM D5185(m)	0	0	0
Beryllium	ppm	ASTM D5185(m)	0	0	0
Cadmium	ppm	ASTM D5185(m)	<1	<1	0

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	4	4	2
Barium	ppm	ASTM D5185(m)	0	0	0
Molybdenum	ppm	ASTM D5185(m)	59	53	56
Manganese	ppm	ASTM D5185(m)	0	0	<1
Magnesium	ppm	ASTM D5185(m)	940	900	935
Calcium	ppm	ASTM D5185(m)	1180	1092	1036
Phosphorus	ppm	ASTM D5185(m)	1140	1081	984
Zinc	ppm	ASTM D5185(m)	1220	1147	1227
Sulfur	ppm	ASTM D5185(m)	2870	2688	2757
Lithium	ppm	ASTM D5185(m)	<1	<1	<1

CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	4	4	5
Sodium	ppm	ASTM D5185(m)	2	4	2
Potassium	ppm	ASTM D5185(m)	0	0	0

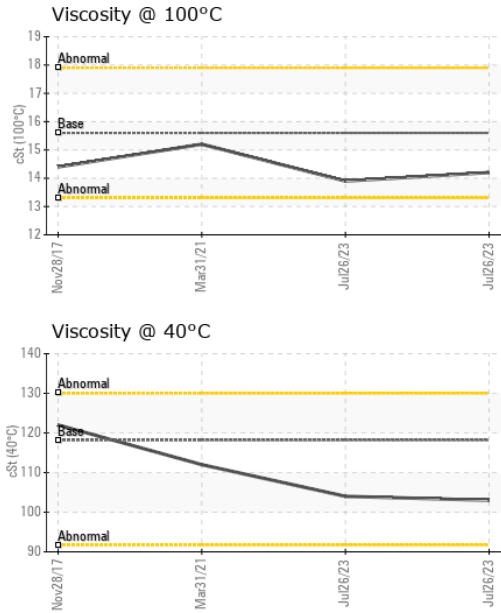
INFRA-RED

	method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*	0	0	0
Nitration	Abs/cm	ASTM D7624*	4.3	4.5	4.3
Sulfation	Abs/.1mm	ASTM D7415*	18.2	17.8	18.1

FLUID DEGRADATION

	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	ASTM D7414*	12.8	12.9	12.8

OIL ANALYSIS REPORT

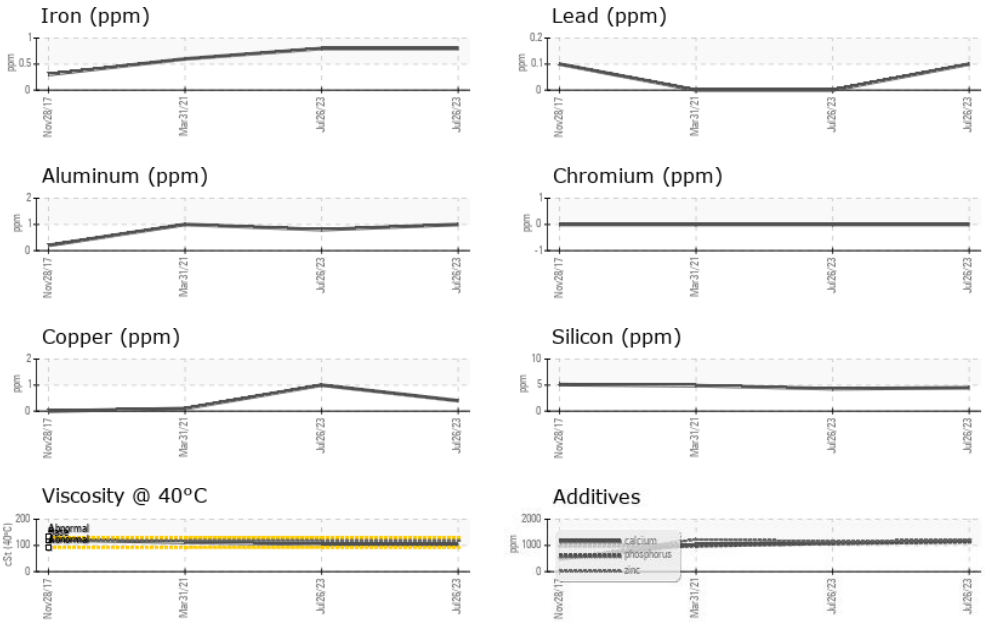


VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE
Precipitate	scalar	Visual*	NONE	NONE	NONE
Silt	scalar	Visual*	NONE	NONE	NONE
Debris	scalar	Visual*	NONE	NONE	▲ VLITE
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE
Appearance	scalar	Visual*	NORML	NORML	NORML
Odor	scalar	Visual*	NORML	NORML	NORML
Emulsified Water	scalar	Visual*	NEG	▲ .2%	NEG
Free Water	scalar	Visual*	NEG	NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	118.2	103	104
Visc @ 100°C	cSt	ASTM D7279(m)	15.6	14.2	13.9
Viscosity Index (VI)	Scale	ASTM D2270*	139	140	134

SAMPLE IMAGES	method	limit/base	current	history1	history2
Color					
Bottom					

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0058924 **Received** : 28 Jul 2023
Lab Number : 02572930 **Diagnosed** : 31 Jul 2023
Unique Number : 5617981 **Diagnostician** : Kevin Marson
Test Package : MOB 1 (Additional Tests: FT-IR, ICP-NewOil, KV100, VI)

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To discuss this sample report, contact Customer Service at 1-800-268-2131.
 Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab.
 Validity of results and interpretation are based on the sample and information as supplied.