



OFF SPEC



Machine Id
PETRO CANADA ENVIRON MV R 46
 Component
New (Unused) Oil
 Fluid
PETRO CANADA ENVIRON MV R 46 (--- GAL)

DIAGNOSIS

Recommendation

Il s'agit du relevé de base de cette huile neuve (inutilisée). Le fluide peut servir. Confirmez la source du lubrifiant utilisé pour l'appoint/remplissage. Échantillonner de nouveau l'équipement au prochain intervalle de vidange afin d'en surveiller la condition. NOTER: Des nouvelles huiles ne sont pas généralement filtrées ni garanties conformes à un code spécifique de propreté. Nous vous conseillons de vérifier le code cible de propreté pour votre application et vous recommandons de vous servir d'un dispositif portable de filtrage lors du remplissage de tout système avec un code de propreté inférieur au code de propreté ISO de ce produit. (Customer Sample Comment: Old hydraulic oil)

Contamination

Il y a une légère quantité de limon (particules de 4 à 14 microns) dans l'huile.

Fluid Condition

Les niveaux d'additifs indiquent l'ajout d'une autre marque ou d'un autre type d'huile. Le AN est acceptable pour ce fluide. L'état de l'huile permet d'en l'utilisation.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			PC0087979	---	---
Sample Date	Client Info			09 May 2024	---	---
Machine Age	hrs	Client Info		1980	---	---
Oil Age	hrs	Client Info		1980	---	---
Oil Changed	Client Info			N/A	---	---
Sample Status				ABNORMAL	---	---

CONTAMINATION		method	limit/base	current	history1	history2
Water	WC Method			NEG	---	---

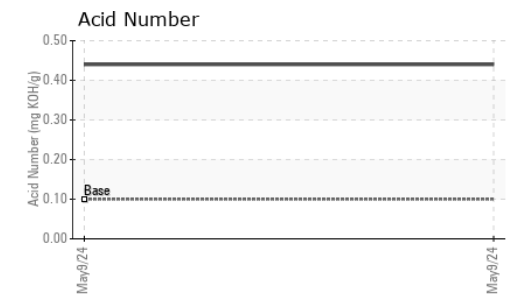
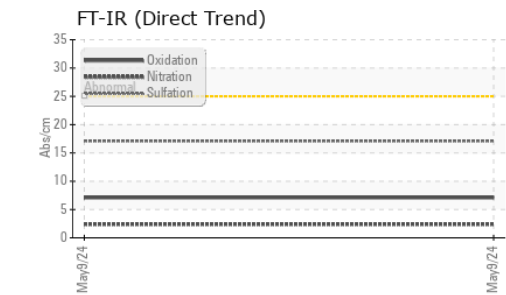
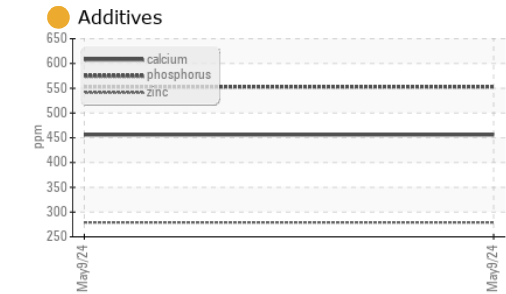
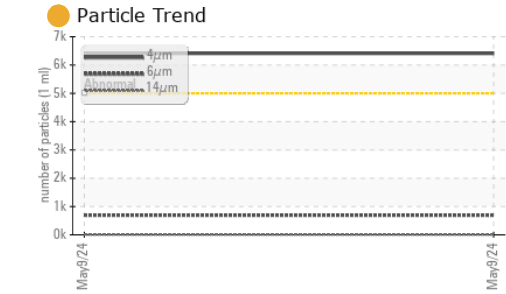
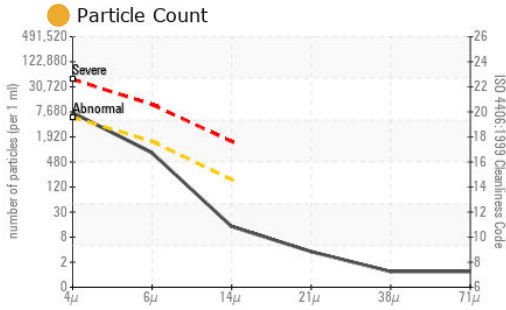
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)		2	---	---
Chromium	ppm	ASTM D5185(m)		0	---	---
Nickel	ppm	ASTM D5185(m)		0	---	---
Titanium	ppm	ASTM D5185(m)		0	---	---
Silver	ppm	ASTM D5185(m)		2	---	---
Aluminum	ppm	ASTM D5185(m)		0	---	---
Lead	ppm	ASTM D5185(m)		0	---	---
Copper	ppm	ASTM D5185(m)		3	---	---
Tin	ppm	ASTM D5185(m)		0	---	---
Antimony	ppm	ASTM D5185(m)		0	---	---
Vanadium	ppm	ASTM D5185(m)		0	---	---
Beryllium	ppm	ASTM D5185(m)		0	---	---
Cadmium	ppm	ASTM D5185(m)		0	---	---

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	<1	<1	---	---
Barium	ppm	ASTM D5185(m)	<1	0	---	---
Molybdenum	ppm	ASTM D5185(m)	<1	0	---	---
Manganese	ppm	ASTM D5185(m)	<1	0	---	---
Magnesium	ppm	ASTM D5185(m)	<1	3	---	---
Calcium	ppm	ASTM D5185(m)		456	---	---
Phosphorus	ppm	ASTM D5185(m)	626	553	---	---
Zinc	ppm	ASTM D5185(m)		279	---	---
Sulfur	ppm	ASTM D5185(m)	1236	822	---	---
Lithium	ppm	ASTM D5185(m)		<1	---	---

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)		0	---	---
Sodium	ppm	ASTM D5185(m)		<1	---	---
Potassium	ppm	ASTM D5185(m)	>20	<1	---	---

INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*		0	---	---
Nitration	Abs/cm	ASTM D7624*		2.4	---	---
Sulfation	Abs/.1mm	ASTM D7415*		17.1	---	---

OIL ANALYSIS REPORT



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0087979
Lab Number : 02638044
Unique Number : 5787206
Test Package : IND 2 (Additional Tests: FT-IR, ICP-NewOil, KV100, PrtCount, TAN Man, VI)

Received : 28 May 2024
Tested : 29 May 2024
Diagnosed : 29 May 2024 - Kevin Marson

Sema
 125 Rue de l'Expansion
 Sainte-Flavie, QC
 CA G0J 2L0
 Contact: Vincent Gagne
 vincent.gagne@sema.ca
 T: (866)775-7141
 F:

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.

FLUID CLEANLINESS	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	>5000	6410	---	---
Particles >6µm	ASTM D7647	>1300	694	---	---
Particles >14µm	ASTM D7647	>160	12	---	---
Particles >21µm	ASTM D7647	>40	3	---	---
Particles >38µm	ASTM D7647	>10	1	---	---
Particles >71µm	ASTM D7647	>3	1	---	---
Oil Cleanliness	ISO 4406 (c)	>19/17/14	20/17/11	---	---

FLUID DEGRADATION	method	limit/base	current	history1	history2
Oxidation	Abs./1mm	ASTM D7414*	7.1	---	---
Acid Number (AN)	mg KOH/g	ASTM D974*	0.1	0.44	---

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	NONE	---
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*	NEG	---	---
Free Water	scalar	Visual*	NEG	---	---

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	43.99	46.8	---
Visc @ 100°C	cSt	ASTM D7279(m)	8.17	7.4	---
Viscosity Index (VI)	Scale	ASTM D2270*	162	121	---

SAMPLE IMAGES	method	limit/base	current	history1	history2
Color				no image	no image
Bottom				no image	no image