



Machine Id  
**ECO 90 PORTE #22**  
 Component  
**Hydraulic System**  
 Fluid  
**MOBIL DTE 15M (--- GAL)**

**RECOMMENDATION**

Nous vous recommandons de vérifier tous les endroits par lesquels des contaminants peuvent pénétrer dans le système. Nous avons pris note que la vidange d'huile a été effectuée au moment de l'échantillonnage. The air breather requires service. If unrated, we recommend that you replace with a suitable micron rated and/or desiccant air breather. If rated, we recommend that you service/replace the breather. Échantillonner de nouveau dans 30 à 45 jours afin de contrôler la situation. À NOTER: S.V.P. inclure, avec le prochain échantillon, des détails de la capacité du réservoir et le type et le degré de filtration. Veuillez préciser la marque et le modèle du composant lors du prochain échantillon.

**WEAR**

Les taux d'usure de tous les composants sont normaux.

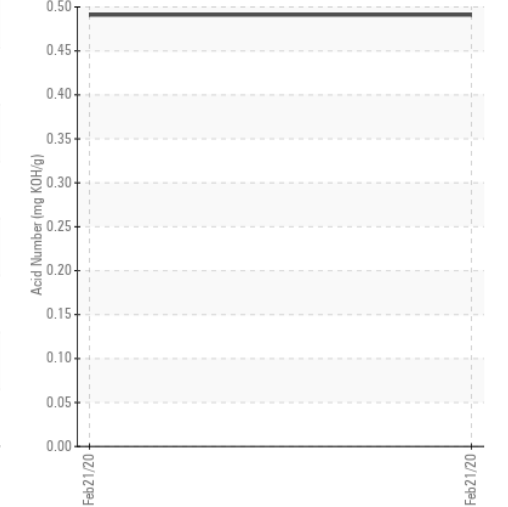
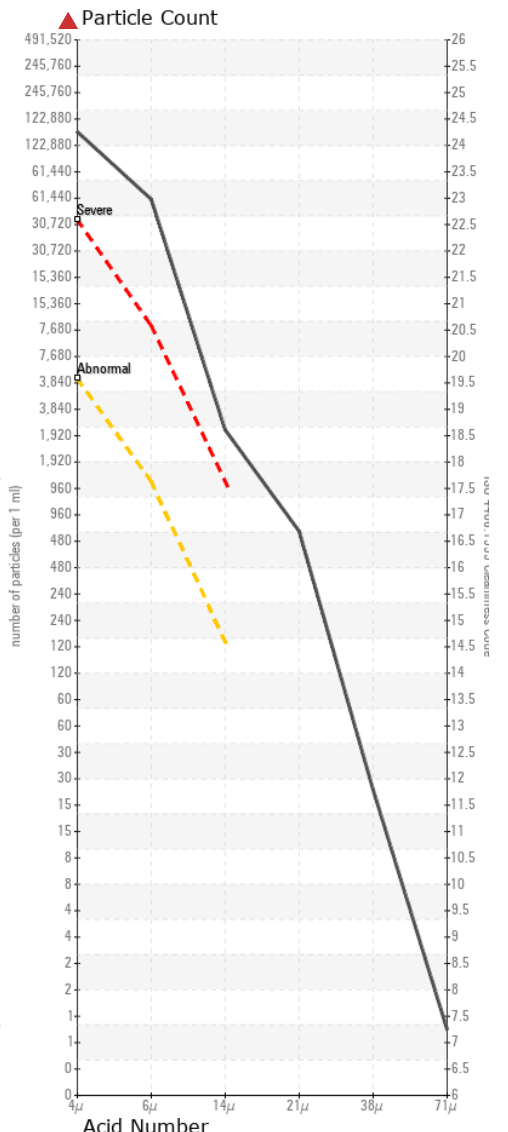
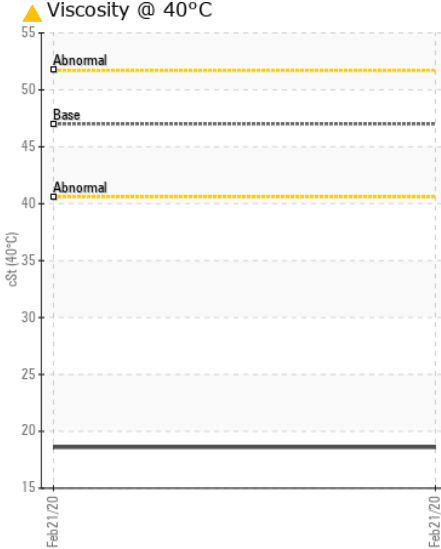
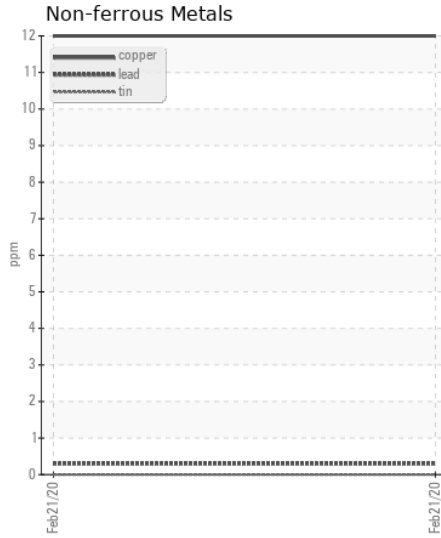
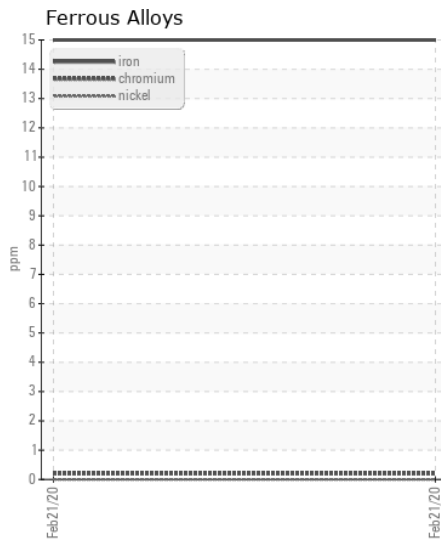
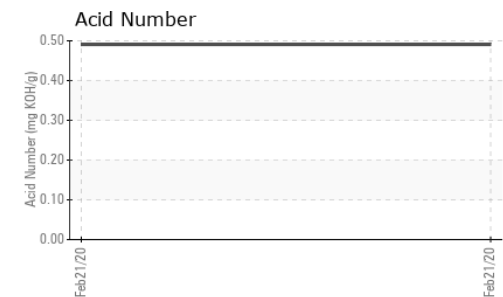
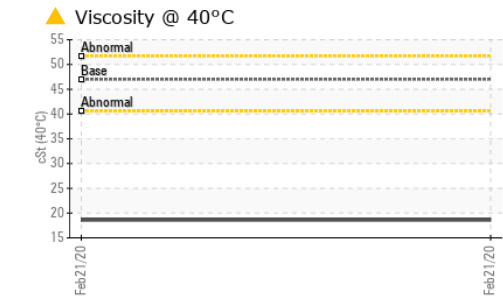
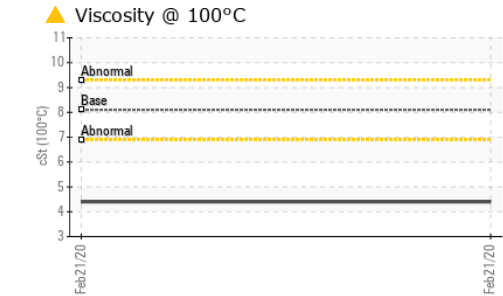
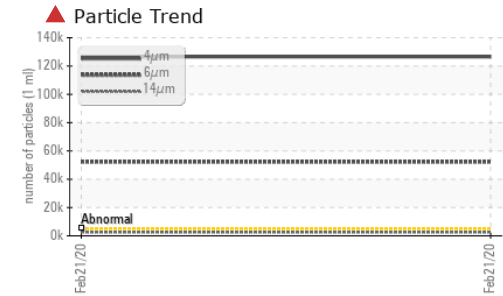
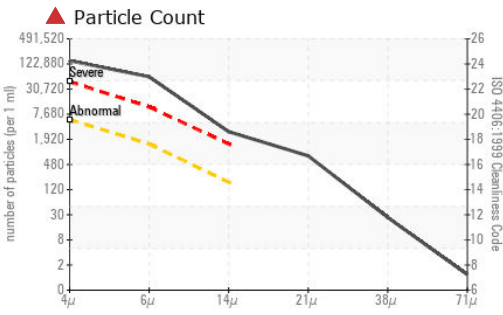
**CONTAMINATION**

Il y a une grande quantité de particules (de 4 à 71 microns) dans l'huile.

**FLUID CONDITION**

La viscosité de l'échantillon se situe dans la portée de l'ISO 22; nous vous conseillons de vérifier. Le AN est acceptable pour ce fluide. L'état de l'huile permet d'en prolonger l'utilisation.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>PC0005887</b>	---	---
Sample Date		Client Info		<b>21 Feb 2020</b>	---	---
Machine Age	hrs	Client Info		<b>0</b>	---	---
Oil Age	hrs	Client Info		<b>0</b>	---	---
Filter Age	hrs	Client Info		<b>0</b>	---	---
Oil Changed		Client Info		<b>Changed</b>	---	---
Filter Changed		Client Info		<b>Changed</b>	---	---
Sample Status				<b>SEVERE</b>	---	---
Iron	ppm	ASTM D5185(m)	>20	<b>15</b>	---	---
Chromium	ppm	ASTM D5185(m)	>10	<b>&lt;1</b>	---	---
Nickel	ppm	ASTM D5185(m)		<b>0</b>	---	---
Titanium	ppm	ASTM D5185(m)		<b>&lt;1</b>	---	---
Silver	ppm	ASTM D5185(m)		<b>0</b>	---	---
Aluminum	ppm	ASTM D5185(m)	>10	<b>&lt;1</b>	---	---
Lead	ppm	ASTM D5185(m)	>10	<b>&lt;1</b>	---	---
Copper	ppm	ASTM D5185(m)	>75	<b>12</b>	---	---
Tin	ppm	ASTM D5185(m)	>10	<b>0</b>	---	---
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	---	---
White Metal	scalar	Visual*	NONE	<b>NONE</b>	---	---
Yellow Metal	scalar	Visual*	NONE	<b>NONE</b>	---	---
Silicon	ppm	ASTM D5185(m)	>20	<b>5</b>	---	---
Potassium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	---	---
Water		WC Method	>0.1	<b>NEG</b>	---	---
Particles >4µm		ASTM D7647	>5000	<b>▲ 126563</b>	---	---
Particles >6µm		ASTM D7647	>1300	<b>▲ 52299</b>	---	---
Particles >14µm		ASTM D7647	>160	<b>▲ 2555</b>	---	---
Particles >21µm		ASTM D7647	>40	<b>▲ 678</b>	---	---
Particles >38µm		ASTM D7647	>10	<b>▲ 23</b>	---	---
Particles >71µm		ASTM D7647	>3	<b>1</b>	---	---
Oil Cleanliness		ISO 4406 (c)	>19/17/14	<b>▲ 24/23/19</b>	---	---
Silt	scalar	Visual*	NONE	<b>NONE</b>	---	---
Debris	scalar	Visual*	NONE	<b>VLITE</b>	---	---
Sand/Dirt	scalar	Visual*	NONE	<b>VLITE</b>	---	---
Appearance	scalar	Visual*	NORML	<b>NORML</b>	---	---
Odor	scalar	Visual*	NORML	<b>NORML</b>	---	---
Emulsified Water	scalar	Visual*	>0.1	<b>NEG</b>	---	---
Sodium	ppm	ASTM D5185(m)		<b>0</b>	---	---
Boron	ppm	ASTM D5185(m)		<b>6</b>	---	---
Barium	ppm	ASTM D5185(m)		<b>&lt;1</b>	---	---
Molybdenum	ppm	ASTM D5185(m)		<b>2</b>	---	---
Manganese	ppm	ASTM D5185(m)		<b>&lt;1</b>	---	---
Magnesium	ppm	ASTM D5185(m)		<b>17</b>	---	---
Calcium	ppm	ASTM D5185(m)		<b>135</b>	---	---
Phosphorus	ppm	ASTM D5185(m)		<b>347</b>	---	---
Zinc	ppm	ASTM D5185(m)		<b>451</b>	---	---
Sulfur	ppm	ASTM D5185(m)		<b>1100</b>	---	---
Acid Number (AN)	mg KOH/g	ASTM D974*		<b>0.491</b>	---	---
Visc @ 40°C	cSt	ASTM D7279(m)	47	<b>▲ 18.6</b>	---	---
Visc @ 100°C	cSt	ASTM D7279(m)	8.1	<b>▲ 4.4</b>	---	---
Viscosity Index (VI)	Scale	ASTM D2270*	140	<b>153</b>	---	---



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : PC0005887 **Received** : 26 Feb 2020  
**Lab Number** : 02340031 **Tested** : 26 Feb 2020  
**Unique Number** : 5007450 **Diagnosed** : 27 Feb 2020 - Kevin Marson  
**Test Package** : IND 2 ( Additional Tests: KV100, TAN Man, VI )

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.

**VILLE DE QUEBEC**  
 52 Rue Marie de l'Incarnation  
 QUEBEC CITY, QC  
 CA G1N 3E9  
 Contact: Rejean Fournier  
 rejean-a.fournier@ville.quebec.qc.ca  
 T: (418)641-6411  
 F: (418)641-6734