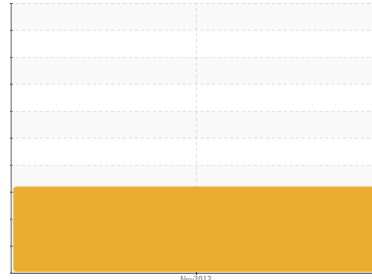




OIL ANALYSIS REPORT

Sample Rating Trend

DEGRADATION



Machine Id
3613 TR

Component
Transmission (Manual)

Fluid
ESSO UNIVIS N 32 (--- LTR)

DIAGNOSIS

Recommendation

Nous vous recommandons de vidanger l'huile de ce composant si vous ne l'avez pas déjà fait. Confirm the source of the lubricant being utilized for top-up/fill. Échantillonner de nouveau l'équipement au prochain intervalle de vidange afin d'en surveiller la condition. Le fluide était spécifié comme ESSO UNIVIS N 32, toutefois, une comparaison avec d'autres fluides indique que ce fluide est du SAE 70W80 Tractor TDH Fluid. Veuillez confirmer la viscosité de l'huile et veuillez préciser la marque de votre prochain échantillon. 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.

Wear

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

Contamination

La propreté du système est acceptable pour votre objectif de propreté ISO 4406. La teneur en eau est négligeable. La propreté du système et du fluide est acceptable.

Fluid Condition

Le niveau de AN est supérieur à la limite recommandée. La viscosité de l'huile est supérieure à la normale. La viscosité de l'échantillon se situe dans la portée de l'SAE 70W80; nous vous conseillons de vérifier. Ceci, en plus des niveaux d'additifs, indique que la marque ou le type d'huile ne correspond pas à ce qui a été signalé. l'huile ne peut plus être utilisée.

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	WC22091269	---	---
Sample Date	Client Info	28 Nov 2013	---	---
Machine Age	hrs Client Info	0	---	---
Oil Age	hrs Client Info	0	---	---
Oil Changed	Client Info	N/A	---	---
Sample Status		ABNORMAL	---	---

WEAR METALS

method	limit/base	current	history1	history2
PQ	ASTM D8184*	26	---	---
Iron	ppm ASTM D5185(m) >200	42	---	---
Chromium	ppm ASTM D5185(m) >10	0	---	---
Nickel	ppm ASTM D5185(m)	0	---	---
Titanium	ppm ASTM D5185(m)	0	---	---
Silver	ppm ASTM D5185(m)	0	---	---
Aluminum	ppm ASTM D5185(m) >50	2	---	---
Lead	ppm ASTM D5185(m) >50	7	---	---
Copper	ppm ASTM D5185(m) >200	189	---	---
Tin	ppm ASTM D5185(m) >10	0	---	---
Antimony	ppm ASTM D5185(m)	2	---	---
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	▲ 18	---	---
Barium	ppm ASTM D5185(m)	<1	---	---
Molybdenum	ppm ASTM D5185(m) .3	<1	---	---
Manganese	ppm ASTM D5185(m)	2	---	---
Magnesium	ppm ASTM D5185(m) 0	6	---	---
Calcium	ppm ASTM D5185(m) 74	▲ 2578	---	---
Phosphorus	ppm ASTM D5185(m) 266	▲ 903	---	---
Zinc	ppm ASTM D5185(m) 338	965	---	---
Sulfur	ppm ASTM D5185(m)	▲ 4255	---	---
Lithium	ppm ASTM D5185(m)	<1	---	---

CONTAMINANTS

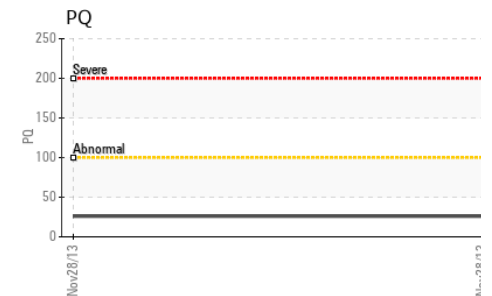
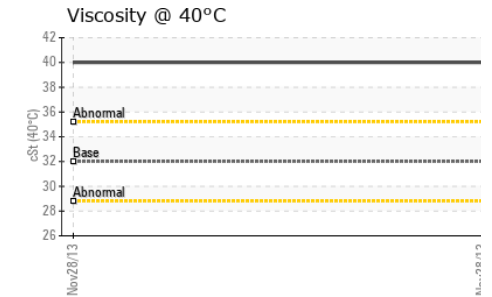
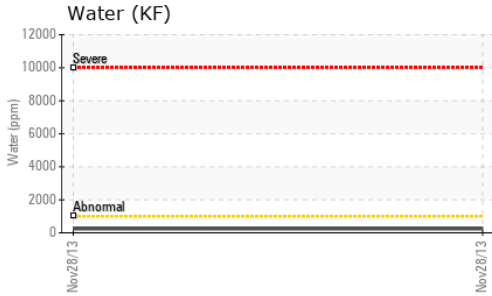
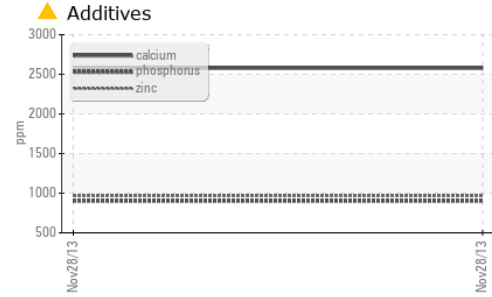
method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185(m) >50	2	---	---
Sodium	ppm ASTM D5185(m)	6	---	---
Potassium	ppm ASTM D5185(m) >20	0	---	---
Water	% ASTM D6304* >0.1	0.024	---	---
ppm Water	ppm ASTM D6304* >1000	246.0	---	---

FLUID CLEANLINESS

method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	8726	---	---
Particles >6µm	ASTM D7647 >1300	1168	---	---
Particles >14µm	ASTM D7647 >160	75	---	---
Particles >21µm	ASTM D7647 >40	13	---	---
Particles >38µm	ASTM D7647 >10	0	---	---
Particles >71µm	ASTM D7647 >3	0	---	---
Oil Cleanliness	ISO 4406 (c) >17/14	20/17/13	---	---



OIL ANALYSIS REPORT



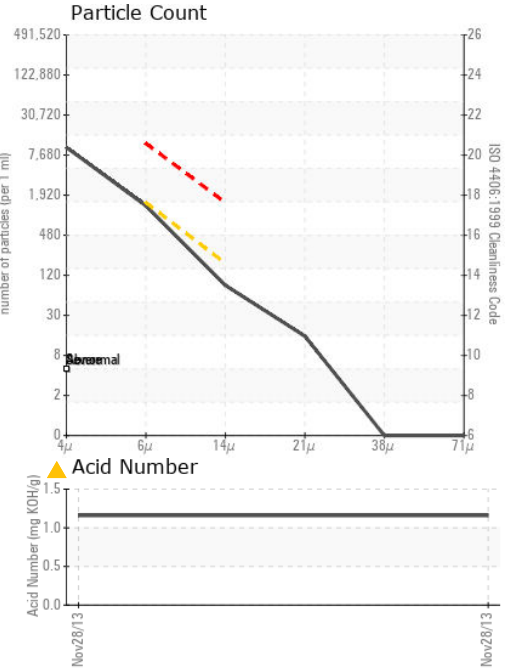
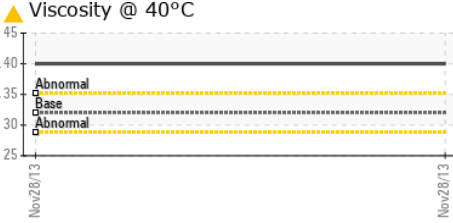
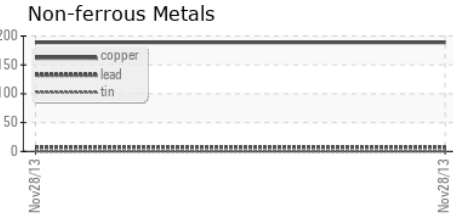
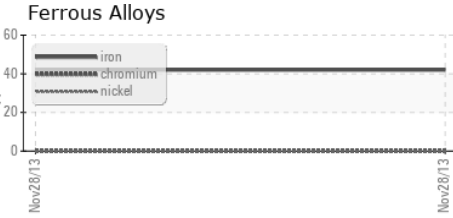
FLUID DEGRADATION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974*	▲ 1.16	---	---

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*	>0.1	NEG	---
Free Water	scalar	Visual*		NEG	---

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	▲ 40.0	---	---

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

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC22091269 **Received** : 03 Dec 2013
Lab Number : 01881912 **Tested** : 04 Dec 2013
Unique Number : 3839960 **Diagnosed** : 04 Dec 2013 - Kevin Marson
Test Package : IND 2 (Additional Tests: KF, PrtCount, TAN Man)

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.

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