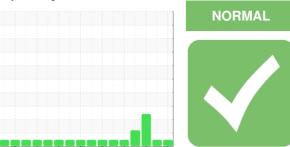


# **OIL ANALYSIS REPORT**

Sample Rating Trend



# **STUFF ROOM A [98874654]**

KR-GR-003229 - MAIN SCREW (S/N STUFF A - 11513098)

Component **Gearbox** 

**SCHAEFFER 293A SUPREME GEAR LUBE** 

### DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor. ( Customer Sample Comment: 98874654)

All component wear rates are normal.

### Contamination

There is no indication of any contamination in the

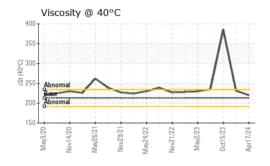
### **Fluid Condition**

The condition of the oil is acceptable for the time in

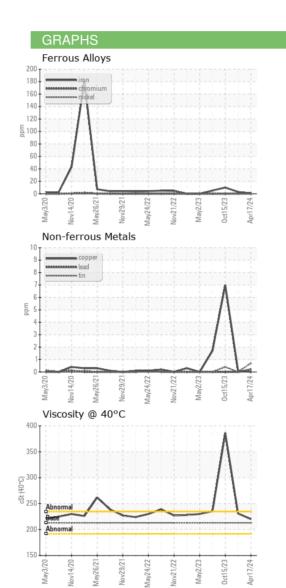
Sample Number   Client Info   PCA0120502   PCA0112152   PCA01065   Sample Date   Client Info   17 Apr 2024   11 Jan 2024   15 Oct 202	NO TACK 220 (7 LTR) (1) (1) (220 May/221 May/222 May/222 May/222 May/223 Oct/223 April 20 Apr								
Sample Date   Client Info   17 Apr 2024   11 Jan 2024   15 Oct 202	SAMPLE INFOR	RMATION	method	limit/base	current	history1	history		
Machine Age	Sample Number		Client Info		PCA0120502	PCA0112152	PCA01065		
Dit Age	Sample Date		Client Info		17 Apr 2024	11 Jan 2024	15 Oct 202		
CONTAMINATION	Machine Age	hrs	Client Info		0	0	0		
Distribution   Contact   Client Info   Not Change   N/A   N/A   NORMAL   ABNORMA   NORMAL	Oil Age	hrs	Client Info		0	0	0		
NORMAL   NORMAL   ABNORMA   CONTAMINATION   method   limit/base   current   history1	-		Client Info		Not Changd	N/A	N/A		
Water         WC Method         >0.2         NEG         NEG         NEG           WEAR METALS         method         limit/base         current         history1         history1           Fron         ppm         ASTM D5185m         >200         <1         3         10           Chromium         ppm         ASTM D5185m         >15         <1         <1         0           Vickel         ppm         ASTM D5185m         >15         0         0         0           Siliver         ppm         ASTM D5185m         0         0         0         <1           Aluminum         ppm         ASTM D5185m         >25         0         2         <1           Aluminum         ppm         ASTM D5185m         >200         0         <1         7           Aluminum         ppm         ASTM D5185m         >20         0         <1         7           Acad         ppm         ASTM D5185m         >20         0         <1         7           Acad         ppm         ASTM D5185m         >20         0         <1         7           Acad         ppm         ASTM D5185m         <1         0         0         0	•					NORMAL	ABNORMA		
WEAR METALS         method         limit/base         current         history1           ron         ppm         ASTM D5185m         >200         <1	CONTAMINA	ΓΙΟΝ	method	limit/base	current	history1	history		
Chromium	Water		WC Method	>0.2	NEG	NEG	NEG		
Description	WEAR METAI	_S	method	limit/base	current	history1	history		
Sickel	ron	ppm	ASTM D5185m	>200	<1	3	10		
Description	Chromium	ppm	ASTM D5185m	>15	<1	<1	0		
Silver	Nickel	ppm	ASTM D5185m	>15	0	0	0		
Salver	Γitanium	ppm	ASTM D5185m		0	0	<1		
Ast	Silver		ASTM D5185m		0	0	0		
December	Aluminum		ASTM D5185m	>25	0	2	<1		
Description	_ead		ASTM D5185m	>100	<1	0	0		
Tin	Copper		ASTM D5185m	>200	0	<1			
Vanadium         ppm         ASTM D5185m         <1         0         0           Cadmium         ppm         ASTM D5185m         <1         0         0           ADDITIVES         method         limit/base         current         history1         history1           Boron         ppm         ASTM D5185m         7         38         0           Barium         ppm         ASTM D5185m         0         0         0         0           Moloybdenum         ppm         ASTM D5185m         <1         5         <1         0         <1           Magnesium         ppm         ASTM D5185m         <1         0         <1         0         <1         0         <1         0         <1         0         <1         0         <1         0         <1         0         <1         0         <1         0         <1         0         <1         0         <1         0         <1         0         <1         0         <1         0         <1         0         <1         0         <1         0         <1         0         <1         0         <1         0         <1         0         <1         0         <1					-				
ADDITIVES				720					
ADDITIVES									
Soron   ppm   ASTM D5185m   7   38   0   0   0   0   0   0   0   0   0		le le · · ·		limit/hase					
Barium		10.10.100		mmobase			•		
Molybdenum         ppm         ASTM D5185m         <1         5         <1           Manganese         ppm         ASTM D5185m         <1									
Manganese         ppm         ASTM D5185m         <1         0         <1           Magnesium         ppm         ASTM D5185m         <1									
Magnesium         ppm         ASTM D5185m         <1         0         0           Calcium         ppm         ASTM D5185m         3         3         0           Phosphorus         ppm         ASTM D5185m         414         345         156           Zinc         ppm         ASTM D5185m         3         0         0           Sulfur         ppm         ASTM D5185m         3170         16174         1622           CONTAMINANTS         method         limit/base         current         history1         history           Silicon         ppm         ASTM D5185m         >50         2         <1	•								
Calcium         ppm         ASTM D5185m         3         3         0           Phosphorus         ppm         ASTM D5185m         414         345         156           Zinc         ppm         ASTM D5185m         3         0         0           Sulfur         ppm         ASTM D5185m         3170         16174         1622           CONTAMINANTS         method         limit/base         current         history1         history1           Silicon         ppm         ASTM D5185m         >50         2         <1	-								
Phosphorus         ppm         ASTM D5185m         414         345         156           Zinc         ppm         ASTM D5185m         3         0         0           Sulfur         ppm         ASTM D5185m         3170         16174         1622           CONTAMINANTS         method         limit/base         current         history1         history           Silicon         ppm         ASTM D5185m         >50         2         <1	<u> </u>								
Solifur		ppm			_				
Sulfur         ppm         ASTM D5185m         3170         16174         1622           CONTAMINANTS         method         limit/base         current         history1         history           Silicon         ppm         ASTM D5185m         >50         2         <1		ppm							
CONTAMINANTS method limit/base current history1 history  Silicon ppm ASTM D5185m >50 2 <1 8  Sodium ppm ASTM D5185m >50 2 <1 8  Potassium ppm ASTM D5185m >20 4 12 <1  VISUAL method limit/base current history1 history  White Metal scalar *Visual NONE NONE NONE NONE NONE  Yellow Metal scalar *Visual NONE NONE NONE NONE NONE  Precipitate scalar *Visual NONE NONE NONE NONE NONE  Silt scalar *Visual NONE NONE NONE NONE NONE  Debris scalar *Visual NONE NONE NONE NONE  Sand/Dirt scalar *Visual NONE NONE NONE NONE  Appearance scalar *Visual NONE NONE NONE NONE  Appearance scalar *Visual NONE NONE NONE NONE  Appearance scalar *Visual NORML NORML NORML NORML  Dodor scalar *Visual NORML NORML NORML NORML  Emulsified Water scalar *Visual >0.2 NEG NEG NEG	Zinc	ppm			-				
Solition			ASTM D5185m		3170	16174	1622		
Sodium ppm ASTM D5185m 1 0 <1 Potassium ppm ASTM D5185m >20 4 12 <1  VISUAL method limit/base current history1 history  White Metal scalar *Visual NONE NONE NONE NONE NONE Precipitate scalar *Visual NONE NONE NONE NONE NONE Silt scalar *Visual NONE NONE NONE NONE NONE Debris scalar *Visual NORML NORML NORML NORML Debris scalar *Visual NORML NORML NORML NORML NORML Debris Scalar *Visual NORML NORML NORML NORML NORML Debris Scalar *Visual NORML NORML NORML NORML NORML NORML NORML NORML	CONTAMINA	NTS	method	limit/base	current	history1	history		
Potassium ppm ASTM D5185m >20 4 12 <1  VISUAL method limit/base current history1 history  White Metal scalar *Visual NONE NONE NONE NONE Precipitate scalar *Visual NONE NONE NONE NONE Silt scalar *Visual NONE NONE NONE NONE Debris scalar *Visual NORML NORML NORML NORML Debris scalar *Visual NORML NORML NORML NORML Debris Scalar *Visual NORML NORML NORML NORML NORML Debris Scalar *Visual NORML	Silicon	ppm	ASTM D5185m	>50	2	<1	8		
VISUAL method limit/base current history1 history  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 NONE NONE NONE NONE  Appearance scalar *Visual NORML NORML NORML NORML  Dodor scalar *Visual NORML NORML NORML NORML  Emulsified Water scalar *Visual >0.2 NEG NEG NEG	Sodium	ppm	ASTM D5185m		1	0	<1		
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 NONE Sand/Dirt scalar *Visual NONE NONE NONE NONE Appearance scalar *Visual NORML NORML NORML NORML Dedor scalar *Visual NORML NORML NORML NORML Emulsified Water scalar *Visual >0.2 NEG NEG NEG	Potassium	ppm	ASTM D5185m	>20	4	12	<1		
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	VISUAL		method	limit/base	current	history1	history		
Precipitate scalar *Visual NONE NONE NONE NONE NONE Silt scalar *Visual NONE NONE NONE NONE NONE NONE NONE NON	White Metal	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 NORML Ddor scalar *Visual NORML NORML NORML NORML NORML Emulsified Water scalar *Visual >0.2 NEG NEG NEG	Yellow Metal	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 NORML Ddor scalar *Visual NORML NORML NORML NORML NORML Emulsified Water scalar *Visual >0.2 NEG NEG NEG	Precipitate	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 NORML  Ddor scalar *Visual NORML NORML NORML NORML NORML  Emulsified Water scalar *Visual >0.2 NEG NEG NEG	Silt	scalar	*Visual	NONE	NONE	NONE	NONE		
Sand/Dirt scalar *Visual NONE NONE NONE NONE NONE Appearance scalar *Visual NORML NORML NORML NORML NORML Odor scalar *Visual NORML NORML NORML NORML NORML Emulsified Water scalar *Visual >0.2 NEG NEG NEG			*Visual						
Appearance scalar *Visual NORML NEG NEG									
Odor scalar *Visual NORML NORML NORML NORML NORML Emulsified Water scalar *Visual >0.2 NEG NEG NEG					_				
Emulsified Water scalar *Visual >0.2 NEG NEG NEG									
	Free Water	scalar	*Visual	- 0.2	NEG	NEG	NEG		



## **OIL ANALYSIS REPORT**



FLUID PROP	ERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	213	220	231	386
SAMPLE IMA	GES	method	limit/base	current	history1	history2
Color				no image	no image	
Bottom				no image	no image	





Laboratory Sample No. Unique Number : 10991929

: PCA0120502 Lab Number : 06156506

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 22 Apr 2024 **Tested** 

: 23 Apr 2024 Diagnosed : 24 Apr 2024 - Jonathan Hester

KraftHeinz - Kirksville - Plant 8333 PCA 2504 INDUSTRIAL DR KIRKSVILLE, MO

US 63501 Contact: WALLACE WARD

wallace.ward@kraftheinzcompany.com T: (660)627-1031

Test Package : IND 1 Certificate 12367 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)

F: (660)627-5887